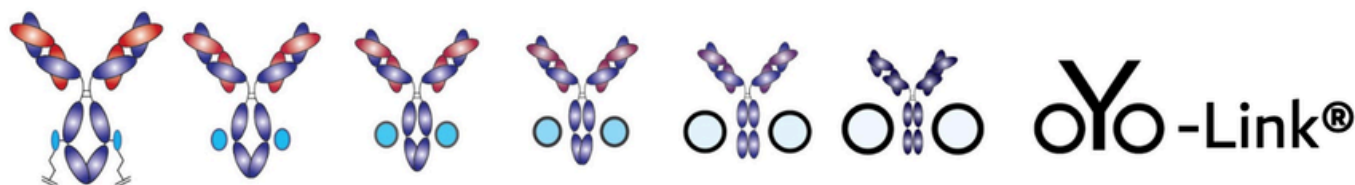


Simple, Fast, Site-Specific.

oYo-Link®

Antibody Labeling Technology



oYo-Link® Technology

Benefits & how it works - 2

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Simple, Fast, Site-Specific Antibody Labeling

oYo-Link® antibody labeling technology enables quick and easy, site-specific labeling of almost any “off-the-shelf” antibody with oligos, molecular reporters, enzymes, biotin, click chemistry tags, drugs, epitope tags and more.



Site-specific & covalent conjugation

Guarantees no interference with antibody binding sites & no label dissociation from the antibody.



Compatible with all common buffers

Even those containing Tris, Azide and BSA. No antibody purification required - save time and materials.



Simple & fast

Just 2 steps - mix & illuminate. 30 seconds hands-on time, conjugates are ready in 2 hours.



Label small amounts

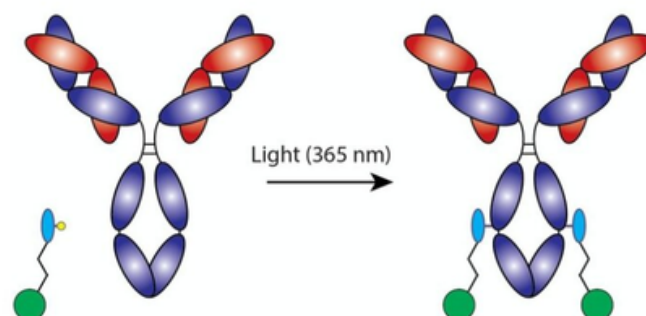
No excess antibody required. Label as little as 1ug of antibody, in concentrations as low as 50ug/mL.

Highly efficient labeling results in homogeneous conjugates with 1 to 2 labels per antibody for reliable & reproducible experiments. Furthermore, save time troubleshooting before proceeding to test with the assay with easy validation of labeling prior to scaled testing with SDS-Page.

How it works

oYo-Link® reagents consist of low molecular weight (~8 kDa), high-affinity antibody-binding domains that possess a photo-crosslinker within their Fc-binding site.

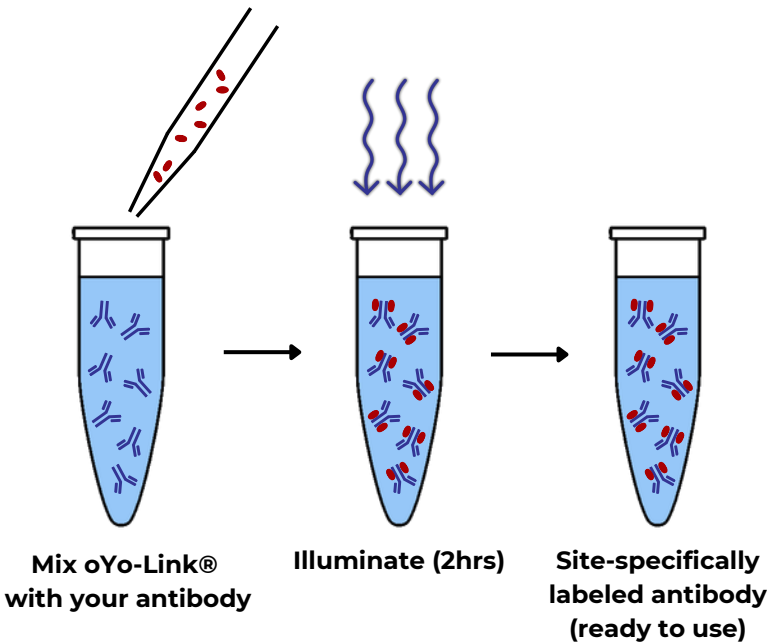
Upon illumination with non-damaging blacklight, oYo-Link® forms a covalent bond with the antibody. This procedure is referred to as Light-Activated Site-Specific Conjugation (LASIC). Any label that is attached to oYo-Link will be covalently attached to the desired antibody.



Rapid labeling < 30s hands-on

Antibody labeling requires just two steps:

- 1 Mix oYo-Link with your antibody
- 2 Illuminate with the non-damaging 365nm UV light for < 2 hours



oYo-Link® vs Traditional Labeling Chemistries

	oYo-Link®	Conventional Chemistry (NHS, maleimide)	Click-Chemistry	Site-Specific (non-covalent)	Site-Specific (covalent)
Site-specific	✓	✗	✗	✓	✓
No interference with the binding site	✓	✗	✗	✓	✓
Covalent reaction	✓	✓	✓	✗	✓
Avoid label transfer	✓	✓	✓	✗	✓
Compatible with common buffers	✓	✗	✗	✓	✗
Hands-on time <30s	✓	✓ ✗	✗	✓	✗
Low antibody amounts (1ug) & concentrations (<50ug/mL)	✓	✗	✗	✓	✗
Reagents can be stored for later	✓	✗	✓ ✗	✓	✓

Antibody-Oligonucleotide Conjugation

Custom antibody-oligo conjugation for a variety of applications. Just provide us with your oligo sequence, and we'll send you a custom oYo-Link reagent with your oligo attached.



oYo-Link® Oligo Custom

oYo-Link® Oligo Custom enables efficient labeling of compatible antibodies with both ssDNA and dsDNA oligonucleotides, up to 80bp or longer. All that is needed is the oYo-Link reagent and an LED photo-crosslinking device to perform the conjugation. Simply provide us with your oligo sequence and we send you the custom oYo-Link® reagent with your oligo attached. Then label your antibody with just 30-seconds hands-on time.

- ✓ **Attach any oligo**, up to 80bp or longer, to almost any antibody
- ✓ **30 seconds** “hands-on” time, **2 hours total**
- ✓ Site-specific conjugation **ensures 1-2 oligos** per antibody
- ✓ **Label as little as 1 µg** of antibody with oligo per reaction

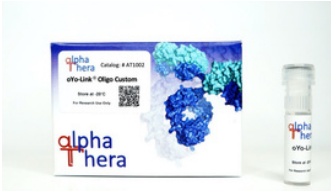
1

Submit your sequence



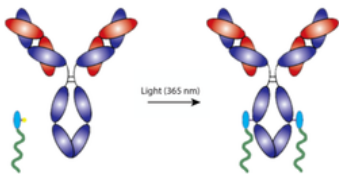
2

We produce oYo-Link with your oligo attached



3

You crosslink to your antibody



*Please note the price of your oligo is included in the price below.
All Oligonucleotides are HPLC or PAGE grade, ensuring confidence in downstream assays.
Pricing below is for oligos with length between 10-80bp. For oligos of length > than 80bp, request a custom quote.*

Catalog #	Price	Amount Labeled
AT1002-25ss	\$450	25 µg ssDNA (1 Custom Sequence)
AT1002-25ds	\$600	25 µg dsDNA (1 Custom Sequence)
AT1002-100ss	\$1000	100 µg ssDNA (1 Custom Sequence)
AT1002-100ds	\$1200	100 µg dsDNA (1 Custom Sequence)

AT1002-mIgG1 is for labeling mouse IgG1 antibody. Pricing is the same as above for ssDNA/dsDNA oligos to label 25ug or 100ug of antibody

View products & data at:
www.alphathera.com/product/oligo-nucleotide-conjugations/oyo-link-oligo-custom

Fluorescent Protein Labeling

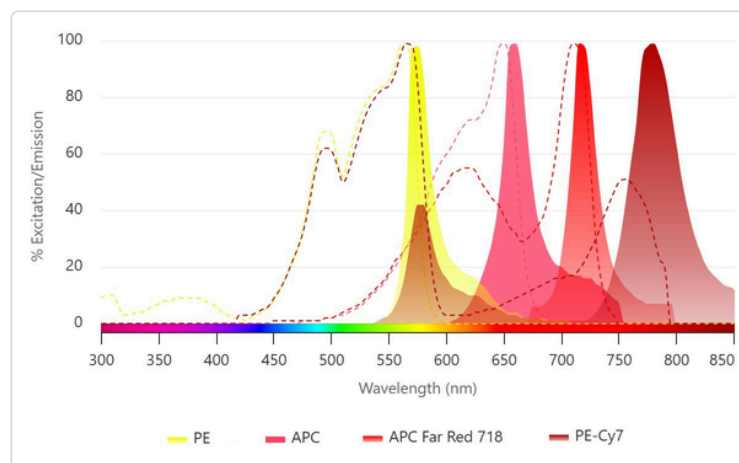
Covalent, site-specific labeling of primary antibodies to fluorescent proteins. No interference with antibody binding, highly homogenous conjugates with no need to optimize labeling conditions.



oYo-Link® SureLight®

oYo-Link® SureLight® reagents enable the covalent, site-specific labeling of primary antibodies to fluorescent proteins. Site-specific labeling at the antibody heavy chain ensures no interference with antibody binding, producing highly homogenous conjugates with no need to optimize labeling conditions.

oYo-Link® SureLight® is manufactured using high quality PE & APC proteins manufactured by Columbia Biosciences. They use a proprietary non-destructive cross-linking process that increases thermal stability while maintaining fluorescent and spectral integrity of the native protein.



- ✓ Directly label **primary antibodies** with only **30s hands-on** time, 2 hours total
- ✓ **Label primary antibodies**, avoid laborious wash steps and cross-species reactivity
- ✓ **Site-specific, covalent labeling** guarantees no interference with antibody performance
- ✓ **Highly homogeneous** - no need to optimize conditions for each new antibody
- ✓ Label from **as little as 1 µg** and work with antibody concentrations as **low as 50 µg/mL**

Product	Catalog #	Price	Amount Labeled
PE	ATSL001-100	\$350	1 x 100 µg
PE	ATSL001-mIgG1-100	\$350	1 x 100 mIgG1
PE	ATSL001-500	\$1250	5 x 100 µg
PE	ATSL001-mIgG1-500	\$1250	5 x 100 µg mIgG1
PE	ATSL001-1000	\$1875	10 x 100 µg
PE	ATSL001-mIgG1-1000	\$1875	10 x 100 µg mIgG1
PE-Cy7	ATSL003-100	\$375	1 x 100 µg
PE-Cy7	ATSL003-mIgG1-100	\$375	1 x 100 mIgG1
PE-Cy7	ATSL003-500	\$1495	5 x 100 µg
PE-Cy7	ATSL003-mIgG1-500	\$1495	5 x 100 µg mIgG1
PE-Cy7	ATSL003-1000	\$2650	10 x 100 µg
PE-Cy7	ATSL003-mIgG1-1000	\$1495	10 x 100 µg mIgG1
APC	ATSL002-100	\$350	1 x 100 µg
APC	ATSL002-mIgG1-100	\$350	1 x 100 µg mIgG1
APC	ATSL002-500	\$1250	5 x 100 µg
APC	ATSL002-mIgG1-500	\$1250	5 x 100 µg mIgG1
APC	ATSL002-1000	\$1875	10 x 100 µg
APC	ATSL002-mIgG1-1000	\$1875	10 x 100 µg mIgG1
Far Red APC	ATSL004-100	\$375	1 x 100 µg
Far Red APC	ATSL004-mIgG1-100	\$375	1 x 100 mIgG1
Far Red APC	ATSL004-500	\$1495	5 x 100 µg
Far Red APC	ATSL004-mIgG1-500	\$1495	5 x 100 µg mIgG1
Far Red APC	ATSL004-1000	\$2650	10 x 100 µg
Far Red APC	ATSL004-mIgG1-1000	\$1495	10 x 100 µg mIgG1

View products at:

www.alphathera.com/product-category/fluorescent-dyes-and-protein-antibody-labeling

HRP Conjugation

Covalent, site-specific labeling of your primary antibody to HRP with only 30 seconds hands-on time. Highly uniform conjugates, no optimization required.

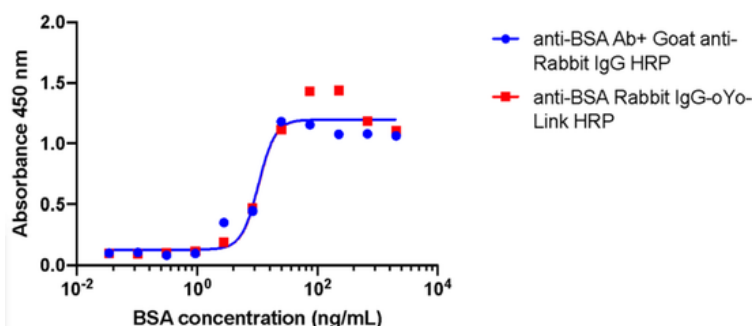


oYo-Link® Horseradish Peroxidase

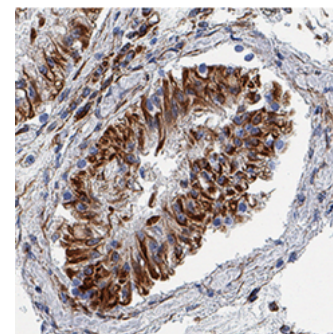
oYo-Link® Horseradish Peroxidase enables site-directed conjugation of 1-2 HRP labels to the heavy chain of compatible primary antibodies, allowing for the production of highly uniform conjugates with no optimization required, saving time and cost.

The labeling procedure is rapid and requires only 30 seconds hands-on time, with conjugates ready within 2 hours.

- ✓ Directly label **primary antibodies** with only **30s hands-on** time, 2 hours total
- ✓ **Label primary antibodies**, avoid laborious wash steps and cross-species reactivity
- ✓ **Site-specific, covalent labeling** guarantees no interference with antibody performance
- ✓ Highly consistent conjugates with **no requirement for further optimization**



ELISA of Primary antibody-oYo-Link HRP vs Primary antibody + 2nd antibody-HRP comparison: The results show the ELISA assay sensitivity of anti-BSA Rabbit IgG labeled with oYo-Link HRP equals to primary antibody combined with 2nd goat anti-Rabbit IgG-HRP.



Immunohistochemistry data: Anti-vimentin antibody was conjugated to HRP and stained human testis tissue. Staining is confined to cytoplasm of sperm cells.

Catalog #	Price	Amount Labeled
AT6002-100	\$350	1 x 100 µg
AT6002-mIgG-100	\$350	1 x 100 µg mIgG1
AT6002-500	\$1250	5 x 100 µg
AT6002-mIgG-500	\$1250	5 x 100 µg mIgG1
AT6002-1000	\$1875	10 x 100 µg
AT6002-mIgG-1000	\$1875	10 x 100 µg mIgG1

View products & data at:
www.alphathera.com/product/enzyme-conjugation/oyo-link-hrp/

Click-Chemistry & Chemical Conjugations

Use various chemistries with your antibody of choice. Perform click-reactions prior to antibody conjugation for optimal reaction conditions & higher efficiency.



oYo-Link® Click Chemistry Reagents

oYo-Link® enables site-specific labeling to the heavy chain of compatible antibodies with up to two click chemistry labels per antibody. Labeling requires only 30 seconds hands-on time, 2 hours total. The click reaction takes place prior to antibody labeling which results in highly efficient click reactions.

Product	Catalog #	Price	Amount Labeled
Azide	AT3002-100	\$300	1 x 100 µg
Azide	AT3002-mIgG1-100	\$300	1 x 100 µg mIgG1
Azide	AT3002-TAMRA	\$300	1 x 100 µg w/Azide TAMRA
Azide	AT3002-500	\$1050	5 x 100 µg
Azide	AT3002-mIgG1-500	\$1050	5 x 100 µg mIgG1
Azide	AT3002-1000	\$1500	10 x 100 µg
Azide	AT3002-mIgG1-1000	\$1500	10 x 100 µg mIgG1
DBCO	AT3003-100	\$300	1 x 100 µg
DBCO	AT3003-mIgG1-100	\$300	1 x 100 µg mIgG1
DBCO	AT3003-500	\$1050	5 x 100 µg
DBCO	AT3003-mIgG1-500	\$1050	5 x 100 µg mIgG1
DBCO	AT3003-1000	\$1500	10 x 100 µg
DBCO	AT3003-mIgG1-1000	\$1500	10 x 100 µg mIgG1
Thiol	AT3001-100	\$300	1 x 100 µg
Thiol	AT3001-mIgG1-100	\$300	1 x 100 µg mIgG1
Thiol	AT3001-500	\$1050	5 x 100 µg
Thiol	AT3001-mIgG1-500	\$1050	5 x 100 µg mIgG1
Thiol	AT3001-1000	\$1500	10 x 100 µg
Thiol	AT3001-mIgG1-1000	\$1500	10 x 100 µg mIgG1
Tetrazine	AT3004-100	\$300	1 x 100 µg
Tetrazine	AT3004-mIgG1-100	\$300	1 x 100 µg mIgG1
Tetrazine	AT3001-500	\$1050	5 x 100 µg
Tetrazine	AT3004-mIgG1-500	\$1050	5 x 100 µg mIgG1
Tetrazine	AT3004-1000	\$1500	10 x 100 µg
Tetrazine	AT3004-mIgG1-1000	\$1500	10 x 100 µg mIgG1

- ✓ Perform click-reactions **prior to antibody conjugation** for optimal reaction conditions and a **10x increase in reaction efficiency**
- ✓ **Site-specific, covalent labeling** guarantees no interference with antibody performance
- ✓ Site-specific & covalent labeling results in **uniform products** and **consistent, predictable results**

oYo-Link® enables the click reaction to take place prior to antibody labeling. Therefore, the oYo-Link® Click Chemistry product and the desired cargo to be clicked can be maintained at very high concentrations. Compared to other approaches that require direct click reaction on the antibody, the oYo-Link method enables up to 10x higher efficiency.



View products & data at:

www.alphathera.com/product-category/click-chemistry-chemical-conjugations/

Epitope Tags

Quick and easy labeling of antibodies with any of 10 epitope tags for simplified and enhanced multiplexing immunoassays.

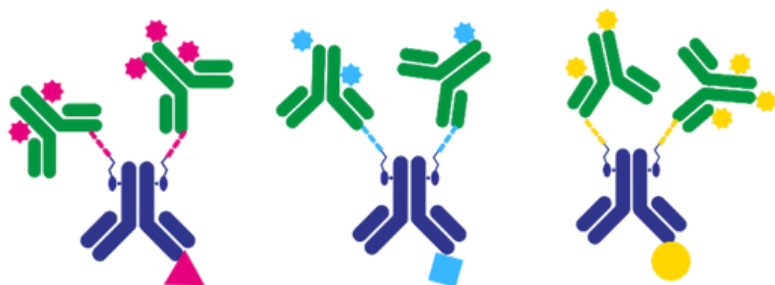
Available tags: His12, DYKDDDDK, V5, S, VSV-G, NWS, S1, AU1, AU5, HSV1



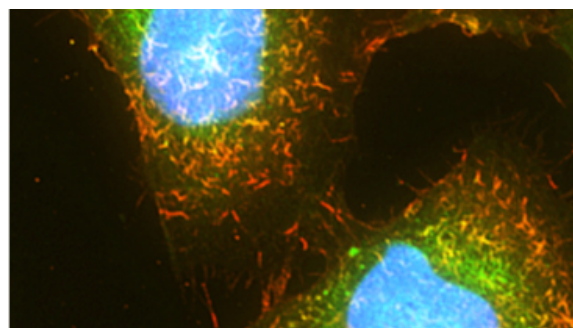
oYo-Link® Epitope Tag

Traditional multiplexing assays using secondary antibodies are limited by the number of primary antibody subclasses available, meaning there is a cap on the number of biomarkers that can be detected within one assay.

oYo-Link Epitope Tag enables site-specific labeling of the heavy chain of compatible antibodies with 3x tandem copies of an epitope tag with up to 6x copies per antibody for subsequent detection with secondary antibodies. This enables significantly enhanced multiplexing capability as it allows for multiple antibodies, even from the same host species, to be uniquely identified and detected.



- ✓ **Increased multiplexing capability**
- ✓ **3x tandem repeat epitope tags per heavy chain enables **unique protein identification****
- ✓ **Site-specific & covalent** reaction
- ✓ **Rapid & efficient labeling.** <30 seconds “hands-on” time, 2 hours total



oYo-Link Epitope Tag Multiplexing Data: HeLa cells were stimulated with 1 μ M Camptothecin and stained with Recombinant monoclonal rabbit anti-human/mouse/rat Ezrin antibody (R&D Systems, Cat. # AB72391), following conjugation with oYo-Link® HA Tag, and Polyclonal Rabbit x human phospho-Chk2 (T68) antibody (R&D systems, Cat. # AFI626), following conjugation with oYo-Link® DYKDDDDK Tag. the HA Tag and DYKDDDDK Tag were detected using anti-HA Alex Fluor® 594 (red) and anti-FLAG Alexa Fluor® 488 (green) secondary antibodies (counterstained with DAPI, blue)

Product	Catalog #	Price	Amount Labeled
His12 Tag	AT2002-100	\$300	1 x 100 μ g
DYKDDDDK Tag	AT9002-100	\$300	1 x 100 μ g
V5 Tag	AT9003-100	\$300	1 x 100 μ g
S Tag	AT9004-100	\$300	1 x 100 μ g
VSV-G Tag	AT9005-100	\$300	1 x 100 μ g
NWS	AT9006-100	\$300	1 x 100 μ g
S1 Tag	AT9007-100	\$300	1 x 100 μ g
AU1 Tag	AT9008-100	\$300	1 x 100 μ g
AU5 Tag	AT9009-100	\$300	1 x 100 μ g
HSV1 Tag	AT9010-100	\$300	1 x 100 μ g

View products & data at:

www.alphathera.com/product/epitope-tag/oyo-link-epitope-tag

Antibody-Drug Conjugation Reagents

Conjugate drugs directly to your antibody of choice. Produce conjugates with defined antibody-drug ratios.

Available drugs: VcMMAE, VcMMAF, DM1, DM4

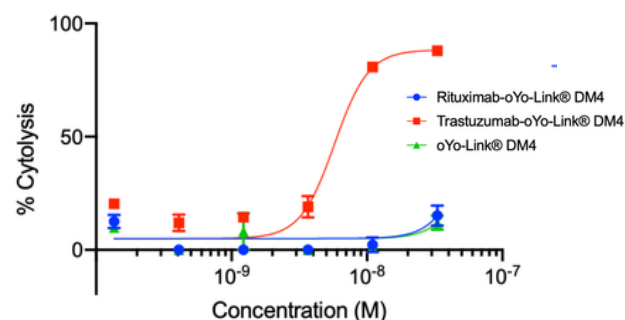


oYo-Link® ADCs

oYo-Link® ADCs enable the rapid, site-specific labeling of drug labels to the heavy chain of compatible antibodies with up to 2 labels per antibody, ensuring no interference with antibody binding and providing precise antibody-drug conjugate ratios. Any free oYo-Link drug will not penetrate into cells, so no background cell killing and no requirement for purification post labeling, proceed directly to the cell killing assay.

Product	Catalog #	Price	Amount Labeled
VcMMAE	AT7001-100	\$350	1 x 100 µg
VcMMAE	AT7001-mIgG1-100	\$350	1 x 100 µg mIgG1
VcMMAE	AT7001-500	\$1250	5 x 100 µg
VcMMAE	AT7001-mIgG1-500	\$1250	5 x 100 µg mIgG1
VcMMAE	AT7001-1000	\$1875	10 x 100 µg
VcMMAE	AT7001-mIgG1-1000	\$1875	10 x 100 µg mIgG1
DM1	AT7002-100	\$350	1 x 100 µg
DM1	AT7002-mIgG1-100	\$350	1 x 100 µg mIgG1
DM1	AT7002-500	\$1250	5 x 100 µg
DM1	AT7002-mIgG1-500	\$1250	5 x 100 µg mIgG1
DM1	AT7002-1000	\$1875	10 x 100 µg
DM1	AT7002-mIgG1-1000	\$1875	10 x 100 µg mIgG1
VcMMAF	AT7003-100	\$395	1 x 100 µg
VcMMAF	AT7003-mIgG1-100	\$395	1 x 100 µg mIgG1
VcMMAF	AT7003-500	\$1595	5 x 100 µg
VcMMAF	AT7003-mIgG1-500	\$1595	5 x 100 µg mIgG1
VcMMAF	AT7003-1000	\$2900	10 x 100 µg
VcMMAF	AT7003-mIgG1-1000	\$2900	10 x 100 µg mIgG1
DM4	AT7004-100	\$375	1 x 100 µg
DM4	AT7004-mIgG1-100	\$375	1 x 100 µg mIgG1
DM4	AT7004-500	\$1495	5 x 100 µg
DM4	AT7004-mIgG1-500	\$1495	5 x 100 µg mIgG1
DM4	AT7004-1000	\$2650	10 x 100 µg
DM4	AT7004-mIgG1-1000	\$2650	10 x 100 µg mIgG1

- ✓ **No need for purification post conjugation**, proceed directly to the cell killing assay
- ✓ Site-specific labeling ensures **predictable efficacy and toxicity profiles**
- ✓ **Rapid ADC prototyping**: 30 seconds hands on time
- ✓ **Label 100+ antibodies simultaneously** for increased high throughput capacity



Cytotoxic cell assay illustrating the highly specific cell-killing nature of oYo-Link®'s antibody-drug conjugate. Her2-positive SKBR3 cells were incubated with oYo-Link® DM4 labeled anti-CD20 (Rituximab), oYo-Link® DM4 labeled anti-Her2 (Trastuzumab), and oYo-Link® DM4 in isolation. Since Trastuzumab targets the Her2/neu receptor, efficient cytotoxicity is observed when the oYo-Link® DM4 ADC is mixed with the Her2-positive SKBR3 cells (red squares). The real advantages come from oYo-Link's versatility and compatibility with nearly any buffer or concentration. The unconjugated oYo-Link® DM4 does not result in cell death, as shown above. The compounds were added 24 hours after cell seeding and the data was evaluated at 96 hours after cell seeding. Assay was performed and analyzed by the xCELLigence™ RTCA SP instrument.

Surface Immobilization

Uniform antibody orientation, maximizing the antigen binding density of the surface-immobilized antibodies, for improvement in sensitivity, stability and longevity of capture antibodies.



Uniform Antibody orientation maximizes the antigen binding density of the surface-immobilized antibodies



Improved sensitivity, stability and longevity of capture antibodies.



Site-specific labeling ensures no impact on antigen binding

oYo-Link® Single-Biotin

oYo-Link® Single-Biotin enables site-specific labeling of compatible antibodies with up to two labels of Biotin for antibody surface immobilization on Streptavidin-coated surfaces. Site-specific immobilization ensures proper antibody orientation, which can improve sensitivity, stability and longevity of capture antibodies for ELISA.

Product	Catalog #	Price	Amount Labeled
Single-Biotin	AT4001-100	\$300	1 x 100 µg
Single-Biotin	AT4001-mIgG1-100	\$300	1 x 100 µg mIgG1
Single-Biotin	AT4001-500	\$1050	5 x 100 µg
Single-Biotin	AT4001-mIgG1-500	\$1050	5 x 100 µg mIgG1
Single-Biotin	AT4001-1000	\$1500	10 x 100 µg
Single-Biotin	AT4001-mIgG1-1000	\$1500	10 x 100 µg mIgG1

oYo-Link® His12 Tag

oYo-Link® His12 Tag uses a His12 Tag for the immobilization of compatible antibodies on Transition Metal (e.g. Ni²⁺, Co²⁺) coated surfaces. Proper antibody orientation due to site-specific immobilization can improve sensitivity, stability and longevity of capture antibodies, with up to a >10-fold increase in sensitivity for ELISA through enabling increased antigen capture per unit area.

Product	Catalog #	Price	Amount Labeled
His12 Tag	AT2002-100	\$300	1 x 100 µg
His12 Tag	AT2002-mIgG1-100	\$300	1 x 100 µg mIgG1
His12 Tag	AT2002-500	\$1050	5 x 100 µg
His12 Tag	AT2002-mIgG1-500	\$1050	5 x 100 µg mIgG1
His12 Tag	AT2002-1000	\$1500	10 x 100 µg
His12 Tag	AT2002-mIgG1-1000	\$1500	10 x 100 µg mIgG1

View products & data at: www.alphathera.com/product-category/surface-immobilization

Hapten Conjugation Solutions

New hapten tag conjugation technologies that enhance assay sensitivity, minimize background & reduce cross-reactivity



oYo-Link® DNP and DIG

oYo-Link® DNP and DIG enable rapid, site-specific antibody labeling for highly specific, amplified detection in ELISA, Western blot, and immunohistochemistry assays.

As these haptens are absent from biological systems, DIG- and DNP-conjugated antibodies deliver exceptionally low background and strong signal-to-noise performance.

Compatibility with a wide range of anti-DNP and anti-DIG detection systems also provides flexibility across colorimetric, chemiluminescent, and fluorescent platforms, allowing the same conjugated antibody to be used across multiple assay formats without re-engineering.



Enhanced assay sensitivity – Hapten-based signal amplification enables sensitive detection of low-abundance targets.



Flexible detection formats – Compatible with a wide range of anti-DNP/DIG detection reagents for colorimetric, chemiluminescent, and fluorescent assays.



Low background, high signal-to-noise ratio – DNP/DIG exhibit no endogenous presence in biological samples, enabling highly specific detection.

Product	Catalog #	Price	Amount Labeled
DIG	AT4004-100	\$300	1 x 100 µg
DIG	AT4004-mIgG1-100	\$300	1 x 100 µg mIgG1
DIG	AT4004-500	\$1050	5 x 100 µg
DIG	AT4004-mIgG1-500	\$1050	5 x 100 µg mIgG1
DIG	AT4004-1000	\$1500	10 x 100 µg
DIG	AT4004-mIgG1-1000	\$1500	10 x 100 µg mIgG1

Product	Catalog #	Price	Amount Labeled
DNP	AT4003-100	\$300	1 x 100 µg
DNP	AT4003-mIgG1-100	\$300	1 x 100 µg mIgG1
DNP	AT4003-500	\$1050	5 x 100 µg
DNP	AT4003-mIgG1-500	\$1050	5 x 100 µg mIgG1
DNP	AT4003-1000	\$1500	10 x 100 µg
DNP	AT4003-mIgG1-1000	\$1500	10 x 100 µg mIgG1

View products & data at:

www.alphathera.com/product/surface-immobilization/oyo-link-digoxigenin-dig-antibody-labeling

www.alphathera.com/product/surface-immobilization/oyo-link-dnp-antibody-labeling

Antibody Conjugation Services

High quality antibody labeling performed by our expert team

Choose from our oYo-Link® range of labels and our expert conjugation scientists will covalently and site-specifically conjugate your antibody, and purify conjugates post-labeling if required, ensuring you receive the highest quality conjugates that meet your specific experimental requirements.

Pricing

Conjugation service: \$75 + the cost of reagents

Optional FPLC purification: \$250 per conjugate*

**Please note that bulk orders may incur an additional charge.*

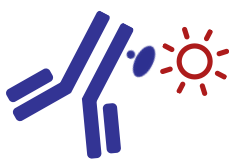
- ✓ Only **\$75 per conjugate** plus the cost of reagents
- ✓ **All conjugates validated** by our expert team
- ✓ **Optional additional purification**
- ✓ Flexible to accommodate a **wide range of scale requirements**
- ✓ We accept antibody samples as **dilute as 50 ug/mL**

①



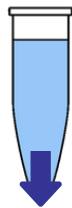
Mail us your antibody

②



We site-specifically label your antibody

③



Optional: We purify your conjugate

④



QC is performed to ensure the highest quality conjugates

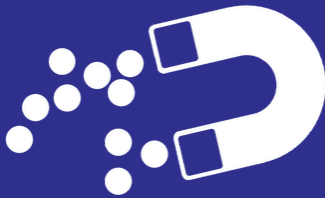
Note: for our antibody–oligo conjugation service, send only your antibody. Provide the oligo sequence, and we will order the oligo for you.

View more information at: www.alphathera.com/antibody-conjugation-services

Purification

oYo-Capture™ Magnetic Beads

For the efficient removal of free oYo-Link after antibody conjugation to ensure low background in high sensitivity assays.



oYo-Link® antibody labeling technology enables highly efficient reactions with a small excess of free oYo-Link post conjugation. However, for researchers carrying out highly sensitive assays, oYo-Capture enables the quick and easy removal of any unconjugated oYo-Link to ensure low assay background.

- ✓ Ensure **low background** in high sensitivity assays
- ✓ Rapid removal free oYo-Link in **only 5 minutes**
- ✓ Ensures **excellent recovery** of antibody conjugates



Figure 1. Shows the absence of oYo-Link Azide-TAMRA after removal with oYo-Capture for only 5 minutes.

- 1. oYo-Link Azide-TAMRA (25uL and 33uM)
- 2. Supernatant after 100uL oYo-Capture beads

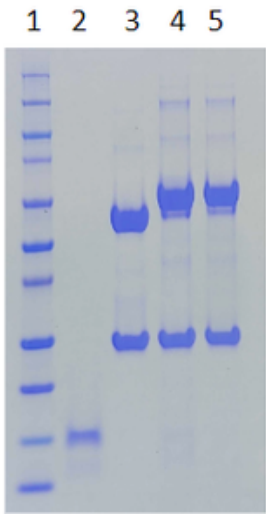


Figure 2. oYo-Capture Magnetic Beads Antibody Recovery Data. 25 ug human IgG1-oYo-Link was mixed and captured by 100 uL of oYo-Capture beads (10 mg/mL concentration).

As shown on the gel, the antibody heavy chain remains largely unchanged after purification (Lane 4 to Lane 5), indicating excellent recovery of materials.

- 1. Protein ladder
- 2. 5uL oYo-Link
- 3. 5ug hIgG1
- 4. 5ug hIgG1-5uL oYo-Link conjugation before oYo-Capture
- 5. 5ug hIgG1-5uL oYo-Link conjugation after oYo-Capture purification for 5 mins at RT

Catalog #	Price	Amount Labeled
AT8101-10	\$350	Purifies up to 1mg of conjugated antibody

Please note that 5 minutes is sufficient for most applications, but longer incubation (e.g. 15min) could lead to higher purity. However, antibody loss will also increase with incubation time.

LED Photo-crosslinking Device

AlphaThera's LED Photo-Crosslinking Device uses non-damaging light (365nm) to enable the efficient and site-specific labeling of antibodies with all oYo-Link products.



LED Photo-crosslinking Device

The LED Photo-Crosslinking Device (LEDPX) uses longwave, non-damaging UV energy (365nm) to enable the efficient and site-specific labeling of antibodies with all oYo-Link products. Two LED bulbs are used to provide a uniform intensity UV exposure, while generating less heat than a fluorescent bulb. The LEDPX has a built-in digital countdown timer. An acrylic sample container is also included.



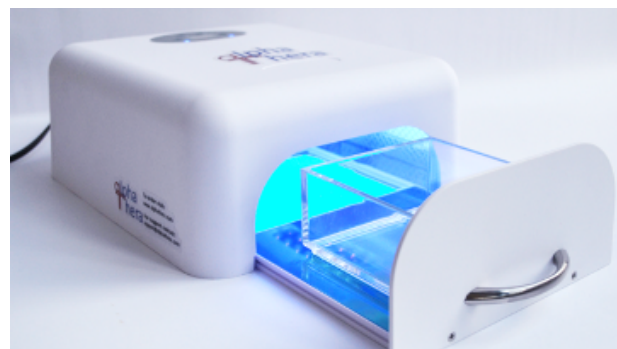
Sample tray makes conjugation setup easy



Timer tracks conjugation duration



Convenient



Catalog #	Price	Amount Labeled
AT8001-D	\$395	Device to perform antibody conjugations
AT8001-B	\$35	2 LED replacement bulbs for the device

View product at: www.alphathera.com/product/photo-crosslinking-technology/led-px2-photo-crosslinking-device/

Alternative compatible photo-crosslinking devices:

Does your lab already have a UV lamp? oYo-Link products are compatible with a wide range of long-wavelength (365 nm), 6-10W UV photo-crosslinking devices. See the list below or email us if you would like to use an alternative compatible device:

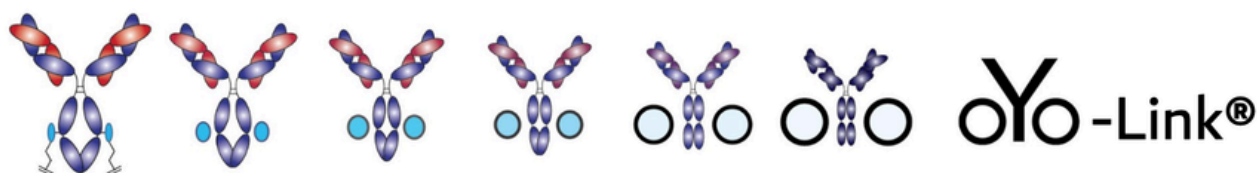
- Fisher Scientific UVP Compact and Handheld UV Lamps 6W 365nm: [Available here](#).
- VWR® UV Hand Lamps UV-A Hand Lamp 365nm: [Available Here](#).
- Analytik Jena UVP Handheld UV Lamps Device 6W 365nm: [Available here](#).



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