

Removal of Free oYo-Link reagent with oYo-Capture™ Magnetic Beads

Antibody-oYo-Link® Conjugate Purification Protocol

This protocol describes how to remove free oYo-Link from 25ug of conjugated antibody-oYo-Link. For larger amounts, use the same ratio of beads to conjugated antibody. See the table at the bottom of page.

Note: oYo-Capture™ magnetic beads cannot be used for any secondary anti-Rabbit IgG antibody conjugated with an oYo-Link product.

Protocol:

1. Use 100 µL beads for every 25 µg of conjugated antibody-oYo-Link.
2. Take oYo-Capture Magnetic Beads out of 4 °C storage and gently mix to evenly distribute the beads. Pipette 100 µL beads to a new tube.
3. Place the tube in a magnet for 2 min.
4. Pipette out and discard the supernatant, which is the storage buffer.
5. Add 200 µL 1xPBS (pH 7.3) buffer to wash the beads, and repeat step 3 and 4.
6. Add 25 µg of conjugated antibody-oYo-Link to the tube and flick the tube gently to mix.
7. Leave the tube at room temperature for 5 mins.* During this period, flick the tube once again.
8. Place the tube in a magnet for 2 mins.
9. Pipette out the supernatant, which contains the conjugated antibody-oYo-Link, and transfer to a new tube.

If the supernatant is slightly brown in color, repeat steps 8 and 9.

Note (): If 5 minutes does not remove enough free oYo-Link, try increasing incubation time, up to no more than 15 minutes. If even higher purity is desired, try another round of purification with fresh magnetic beads.*

Amount of conjugated antibody-oYo-Link	Volume of oYo-Capture Magnetic Beads	Volume of PBS buffer for Step 5 washing
25 µg	100 µL	200 µL
100 µg	400 µL	800 µL
500 µg	2mL	4 mL
1 mg	4mL	8mL