

For Research Use Only

Conjugation CleanAb Kit for Rabbit IgG, Magnetic Agarose



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Catalog Number: CK002

Basic Information

Catalog Number:
CK002

Class:
Recombinant - Animal free production

Applications:
Purification

Conjugate:
Magnetic Agarose beads; ~40 um (cross-linked 6%
magnetic agarose beads)

Description

Conjugation CleanAb Kits for Rabbit IgG are designed for fast & easy removal of excess conjugate (e.g. oligos, small molecule fluorescent dyes) from conjugated rabbit antibodies post conjugation or after on-bead conjugation. The Kit uses coated agarose (CK001) or magnetic agarose beads (CK002) beads coated with Fab binding proteins, optimized for elution at native pH (pH 7.5), facilitating gentle recovery of your sample from the beads, with high efficiency and excellent recovery rates.

Binding capacity

> 4 mg IgG per 1 ml bead slurry

Storage

Storage:
Shipped at ambient temperature. Upon receipt store at +4°C. Stable for one year. DO not freeze!
Storage Buffer:
20% Ethanol

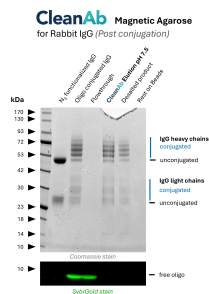
For technical support and original validation data for this product please contact:

T: 4006900926

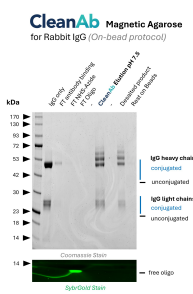
E: Proteintech-CN@ptglab.com
W: www.ptgcn.com

This product is exclusively available under
Proteintech Group brand and is not available
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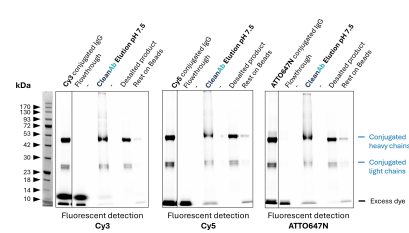
Selected Validation Data



Rabbit IgG (anti beta-tubulin; 80713-1-RR, lane 1) was conjugated with NHS-Azide (lane 1) and then with DBCO-Oligo (15nt) (lane 2). Post-conjugation clean-up was done using CleanAb Kit (magnetic agarose) for rabbit IgG (lanes 3-5). Excess oligo was successfully removed as shown in SYBR Gold DNA staining and IgG eluted with high recovery (~70%) at neutral pH (lane 4). Desalting was done with Zeba spin desalting columns (lane 5). Only very little IgG remains on beads (lane 6).



Rabbit IgG (anti beta-tubulin; 80713-1-RR) was bound to CleanAb rabbit beads (magnetic agarose) (flowthrough in lane 2), then functionalized on bead with NHS-Azide (flowthrough in lane 3) and then with DBCO-Oligo (15nt) (flowthrough in lane 4, visible in SYBR Gold staining). Excess oligo was successfully removed as shown in SYBR Gold DNA staining and the oligo-conjugated IgG was eluted with high recovery at neutral pH (lane 6). Desalting was done with Zeba spin desalting columns (lane 8). Only very little IgG remaining on beads (lane 9).



Rabbit IgG (anti beta-tubulin; 80713-1-RR) was conjugated with NHS-dyes (lane 1 respectively). Post-conjugation clean-up was done using CleanAb Kit (magnetic agarose) for Rabbit IgG (lanes 2-4). At least 95% of excess dye was successfully removed as evident from the faint excess dye band (lane 4). The conjugated IgG was eluted with high recovery (>70%) at neutral pH (lane 4). Desalting was done with Zeba spin desalting columns to exchange buffer after elution (lane 6), successfully removing all residual dye (buffer exchange is only recommended for long term storage or if required for downstream assays). No IgG remains on beads (lane 7). Note: the CleanAb Elution Buffer can interfere with SDS gels, which can make the CleanAb elution appear smeary.