

For Research Use Only

Conjugation CleanAb Kit for Mouse IgG, Magnetic Agarose



www.ptgcn.com

Catalog Number: CK004

Basic Information

Catalog Number:
CK004

Class:
Recombinant - Animal free production

Applications:
Purification

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

Description

Conjugation CleanAb Kits for Mouse IgG are designed for fast & easy removal of excess conjugate (e.g. oligos, small molecule fluorescent dyes) from conjugated mouse antibodies post conjugation or after on-bead conjugation. The Kit uses agarose (CK003) or magnetic agarose beads (CK004) 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

> 6 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

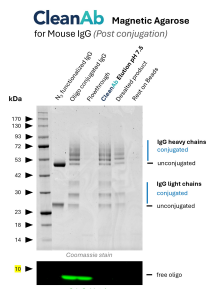
For technical support and original validation data for this product please contact:

T: 4006900926

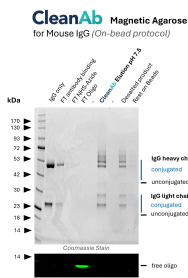
E: Proteintech-CN@ptglab.com
W: www.ptgcn.com

This product is exclusively available under
Proteintech Group brand and is not available
to purchase from any other manufacturer.

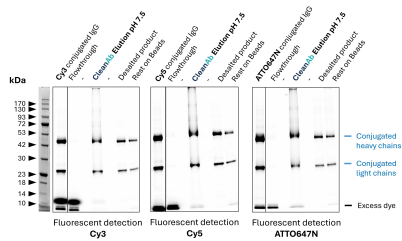
Selected Validation Data



Mouse IgG1 (anti Lamin B1; 66095-1-Ig) 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). No IgG

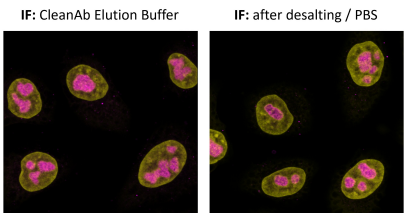


Mouse IgG1 (anti Lamin B1; 66095-1-Ig, lane 1) was bound to CleanAb rabbit beads (magnetic agarose) (flowthrough in lane 2), then functionalized on bead with NHS-Azide (flowthrough in lane 3) and then with DBCO-Oligo (15nt) (flowthrough in lane 4, visible in SYBR Gold staining). Excess oligo was successfully removed as shown in SYBR Gold DNA staining and the oligo-conjugated IgG was eluted with high recovery at neutral pH (lane 6).



Mouse IgG1 (anti Lamin B1; 66095-1-Ig) 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.

CleanAb



Immunostaining of HeLa cells with mouse anti-B23/NPM1 antibody (60096-1-Ig, 1:100, magenta), chemically conjugated to a 15-nt DNA oligonucleotide and purified using CleanAb beads. Detection was performed by hybridization with an imaging DNA strand labeled with ATTO643. Nuclei were counterstained with DAPI (yellow). Direct comparison of CleanAb product and desalted product demonstrates functionality of both products.