

For Research Use Only

anti-Mouse IgG1 VHH Agarose for Immunoprecipitation



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Catalog Number: mIG1a

Basic Information

Catalog Number:
mIG1a

Applications:
IP, Co-IP

Conjugate:
Agarose beads; bead size: ~ 90 µm (cross-linked 4 % agarose beads)

Host:
Alpaca

Type:
Nanobody

Class:
Recombinant - Animal free production

Description

anti-Mouse IgG1 IP Beads is an affinity resin for IP of Mouse IgG1. It consists of rabbit specific VHHs (Nanobodies) coupled to Agarose beads.

Binding capacity

/

Elution buffer

SDS Sample Buffer

Wash buffer compatibility

/

Affinity (K_D)

/

Storage

Storage:
+4°C / do not freeze!

Storage Buffer:
20% Ethanol

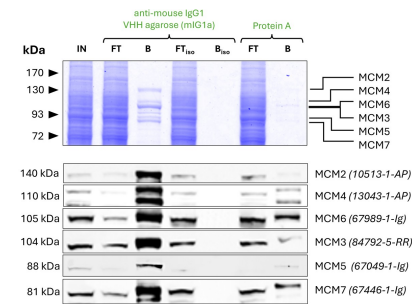
For technical support and original validation data for this product please contact:

T: 4006900926

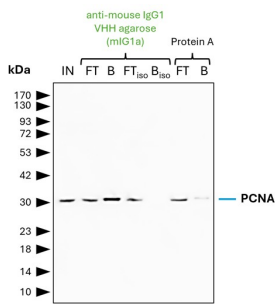
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W: www.ptgcn.com

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Selected Validation Data



Co-IP of MCM complex: via pulldown of MCM6 using 5 µg of monoclonal anti-MCM6 IgG1 (Proteintech: 67989-1-Ig) and anti-mouse IgG1 VHH agarose (mIG1a). 5 µg of each IgG was spiked into HEK293T cell lysate derived from 1x10⁷ cells. All subunits of the 600 kDa hetero-hexameric complex are successfully precipitated, as shown in a Coomassie blue stained SDS-gel and by Western blot analysis using subunit specific antibodies. Apparent molecular weights are provided. For input (IN) and flowthrough (FT) fractions, 1% was loaded, respectively. For bound (B) fraction and bound fraction of isotype control antibody (BISO Proteintech: 66360-1-Ig), 25% was loaded. Product codes for Proteintech-antibodies are provided in parentheses. Compared to Protein A agarose, mIG1a shows a superior precipitation of the MCM complex.



IP of PCNA by anti-mouse IgG1 VHH agarose (mIG1a) using a monoclonal PCNA antibody (Proteintech: 60097-1-Ig). As control, a IgG1 isotype control antibody (Proteintech: 66360-1-Ig) was used (BISO). 5 µg of each IgG was spiked into HEK293T cell lysate derived from 0.5x10⁷ cells. 1% of input (IN) and flow through (FT) and 25% of bound (B) fraction was loaded onto an SDS-PAGE gel. For Western blot analysis PCNA was detected using a polyclonal rabbit IgG (Proteintech: 10205-2-AP) (1:5000) and an HRP-labeled goat anti-rabbit secondary (Proteintech: RGAR001). Compared to Protein A agarose, mIG1a shows a superior precipitation of PCNA.