Recombinant Mouse IgG1 protein [PSH04-91] - Isotype Control

HA601336

Product Type:	Recombinant Mouse monoclonal IgG1, primary antibodies
Applications:	WB, FC, IP, ChIP
Clone number:	PSH04-91

Description: Isotype control antibodies are used to estimate the nonspecific binding of target primary antibodies due to Fc receptor binding or other protein-protein interactions. An isotype control antibody should have the same immunoglobulin type and be used at the same concentration as the test antibody.

Immunogen: Small molecule.

Recommended Dilutions:

WB	1:1,000
FC	1:1,000
IP	1-2μg/sample
ChIP	Use 0.5~2 μg for 25 μg of chromatin.

Storage Buffer: 1*PBS (pH7.4), 0.1% BSA, 40% Glycerol, 0.2% Proclean 950.

Storage Instruction: Shipped at 4℃. Store at +4℃ short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20℃ long term.

Purity: Protein A affinity purified.

Images

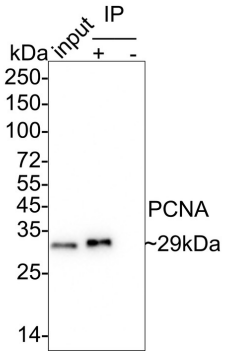

Fig1: PCNA was immunoprecipitated from 0.2 mg HeLa cell lysate with HA601172 at 2 µg/10 µl beads. Western blot was performed from the immunoprecipitate using HA601172 at 1/10,000 dilution. Anti-Mouse IgG for IP Nano-secondary antibody (NBI02H) at 1/5,000 dilution was used for 1 hour at room temperature.

Lane 1: HeLa cell lysate (input)
Lane 2: HA601172 IP in HeLa cell lysate
Lane 3: Recombinant Mouse IgG1 (HA601336) instead of HA601172 in HeLa cell lysate

Blocking/Dilution buffer: 5% NFDM/TBST
Exposure time: 1 minute 59 seconds; ECL: K1801

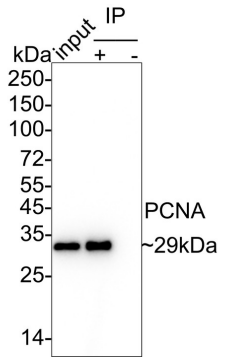

Fig2: PCNA was immunoprecipitated from 0.2 mg NIH/3T3 cell lysate with HA601172 at 2 µg/10 µl beads. Western blot was performed from the immunoprecipitate using HA601172 at 1/10,000 dilution. Anti-Mouse IgG for IP Nano-secondary antibody (NBI02H) at 1/5,000 dilution was used for 1 hour at room temperature.

Lane 1: NIH/3T3 cell lysate (input)
Lane 2: HA601172 IP in NIH/3T3 cell lysate
Lane 3: Recombinant Mouse IgG1 (HA601336) instead of HA601172 in NIH/3T3 cell lysate

Blocking/Dilution buffer: 5% NFDM/TBST
Exposure time: 5 seconds; ECL: K1802

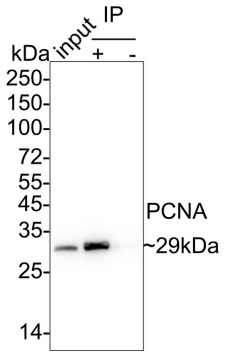

Fig3: PCNA was immunoprecipitated from 0.2 mg PC-12 cell lysate with HA601172 at 2 µg/10 µl beads. Western blot was performed from the immunoprecipitate using HA601172 at 1/10,000 dilution. Anti-Mouse IgG for IP Nano-secondary antibody (NBI02H) at 1/5,000 dilution was used for 1 hour at room temperature.

Lane 1: PC-12 cell lysate (input)
Lane 2: HA601172 IP in PC-12 cell lysate
Lane 3: Recombinant Mouse IgG1 (HA601336) instead of HA601172 in PC-12 cell lysate

Blocking/Dilution buffer: 5% NFDM/TBST
Exposure time: 43 seconds; ECL: K1801

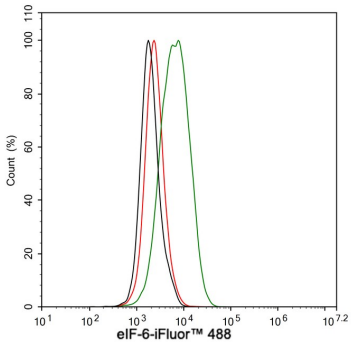

Fig4: Flow cytometric analysis of HeLa cells labeling eIF-6.

Cells were fixed and permeabilized. Then stained with the primary antibody (HA601293, 1μg/mL) (green) compared with Recombinant Mouse IgG1 (HA601336, 1μg/mL) (red). After incubation of the primary antibody at +4℃ for an hour, the cells were stained with a iFluor™ 488 conjugate-Goat anti-Mouse IgG Secondary antibody (HA1125) at 1/1,000 dilution for 30 minutes at +4℃. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).

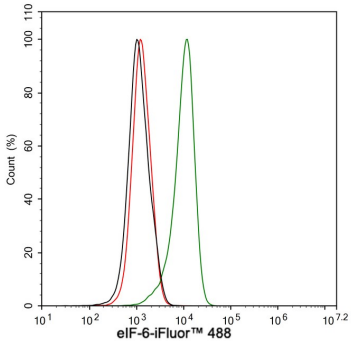

Fig5: Flow cytometric analysis of C6 cells labeling eIF-6.

Cells were fixed and permeabilized. Then stained with the primary antibody (HA601293, 1μg/mL) (green) compared with Recombinant Mouse IgG1 (HA601336, 1μg/mL) (red). After incubation of the primary antibody at +4℃ for an hour, the cells were stained with a iFluor™ 488 conjugate-Goat anti-Mouse IgG Secondary antibody (HA1125) at 1/1,000 dilution for 30 minutes at +4℃. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).

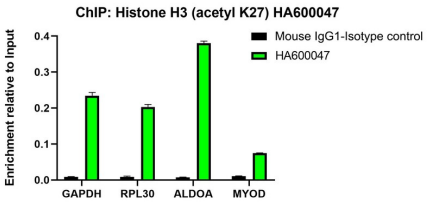

Fig6: Chromatin immunoprecipitations were performed with cross-linked chromatin from HeLa cells treated with 500ng/mL TSA for 4 hours with Histone H3 (acetyl K27) (HA600047) or Recombinant Mouse IgG1 (HA601336) according to the ChIP protocol. The enriched DNA was quantified by real-time PCR using indicated primers. The amount of immunoprecipitated DNA in each sample is represented as signal relative to the total amount of input chromatin, which is equivalent to one.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".