

Anti-Mouse IgG for IP, AlpSdAbs[®] VHH(HRP)

Summary

Code	001-100-005
Immunogen	Mouse IgG
Host	Alpaca pacous
Isotype	VHH domain of alpaca IgG2b/2c
Conjugate	HRP
Specificity	Non-reduced mouse IgG(subtypes:IgG1, IgG2a, IgG2b, IgG3)
Cross-Reactivity	No cross-reactivity with rabbit, human, cynomolgus, rat, goat IgG
Purity	Recombinant Expression and Affinity purified
Concentration	1mg/ml
Formation	Liquid, 10mM PBS (pH 7.5), 0.05% sucrose, 0.1% trehalose, 0.01% proclin300,50% Glycerol
Storage	Store at -20 °C(Avoid freeze / thaw cycles), protect from light, Stable for 12 months at -20°C

Description

Anti-Mouse IgG for IP, AlpSdAbs[®] VHH(HRP) is designed for detecting the non-reduced mouse IgG(subtypes:IgG1, IgG2a, IgG2b, IgG3). Anti-Mouse IgG for IP, AlpSdAbs[®] VHH(HRP) is based on Monovalent, recombinant single domain antibody to mouse IgG coupled to HRP, and the Anti-Mouse IgG for IP, AlpSdAbs[®] VHH(HRP) detects the non-reduced form of mouse IgG (IgG1, IgG2a, IgG2b, IgG3) selectively, no reactivity with the reduced, SDS-denatured forms. When performing immunoprecipitation (IP) followed by western blotting, using Anti-mouse IgG for IP, AlpSdAbs[®] VHH(HRP) to detect the primary antibody, only native antibody can be staining, not denatured heavy and light chains.

Background

When performing immunoprecipitation (IP) followed by western blotting, the denatured mouse IgG light and heavy chains of the primary antibody used for IP run at approximately 25 and 50 kD, respectively, on the subsequent western blot and can often obscure bands of proteins that have similar molecular weights. Anti-mouse IgG for IP, AlpSdAbs[®] VHH(HRP) detects the non-reduced form of mouse IgG, no reactivity with the reduced, SDS-denatured forms. When a protein was immunoprecipitated by an antibody derived from mouse, you can still use primary antibody derived from mouse to detect this protein. Using Anti-mouse IgG for IP, AlpSdAbs[®] VHH(HRP) to detect the primary antibody, only native antibody can be staining, not denatured heavy and light chains.

Benefits

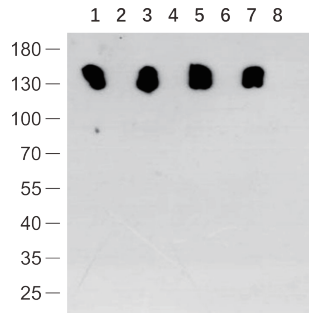
High lot-to-lot consistency
 Increased sensitivity and higher affinity
 Animal-free production

Suggested Working Concentration

WB 1:5000-1:10,000

Note: IP sample should be completely reduced/denatured before loaded onto a western blot(The sample within SDS loading buffer is recommended to be heated 20min in a 100 °C heater).

This product is for research use only and is not approved for use in humans or in clinical



Lane 1 : Mouse IgG1 (non-reduced)
 Lane 2 : Mouse IgG1 (reduced)
 Lane 3 : Mouse IgG2a (non-reduced)
 Lane 4 : Mouse IgG2a (reduced)
 Lane 5 : Mouse IgG2b (non-reduced)
 Lane 6 : Mouse IgG2b (reduced)
 Lane 7 : Mouse IgG3 (non-reduced)
 Lane 8 : Mouse IgG3 (reduced)
 Proteins at 0.2 µg per lane.

Westernblot-Anti-Mouse IgG for IP, AlpSdAbs® VHH(HRP) detects the non-reduced form of mouse IgG, no reactivity with the reduced, SDS-denatured forms.

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