EasyBlot anti Goat IgG (HRP)

Cat. No. GTX628547-01

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Applications	WB
Reactivity	Goat

References (4)
Package
250 µl, 50 µl

PRODUCT

Summary

EasyBlot anti-Goat IgG is an HRP-conjugated second step reagent that specifically reacts with the native, non-reduced form of Goat IgG and does not bind the reduced, denatured form. Using Easyblot decreases the interference caused by the heavy (~50 kDa) and light chains (~25 kDa) of the IgG used for immunoprecipitation (IP). EasyBlot is simple to use and results in Western Blot detection of only the target band in your IP experiments. Exercise caution when using Protein A/G for IP with EasyBlot. Protein A/G contaminants bind to goat IgG with high affinity and may cause contaminating bands with a molecular weight similar to IgG heavy chain or light chian.

To minimize background from Protein A/G contamination, we strongly recommend the use of EasyBlot Kit anti-goat IgG (Optimized for Prot A/G) (GTX228910-01) or EasyBloker (GTX425858) to minimize protein A/G contamination.

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:1000

Note : Use 2-5 µg of the IP antibody; do not exceed 5 µg. Completely reduce all IP samples by 100mM DTT (fresh prepared). For further detail, please refer to the protocol.

Not tested in other applications.

Properties

Form	Liquid
Buffer	0.05M Tris, 0.15M NaCl, 1%BSA, 40% Glycerol
Preservative	0.005% Thimerosal
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	0.18 mg/ml (Please refer to the vial label for the specific concentration.)
Purification	Affinity purified by Protein G.
Conjugation	Horseradish peroxidase(HRP)

For full product information, images and publications, please visit our website.

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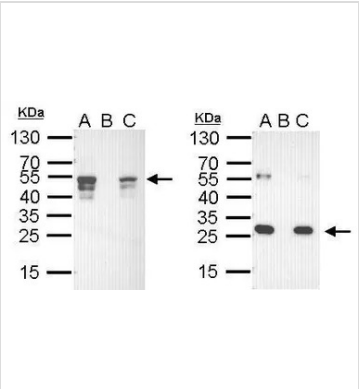
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Note

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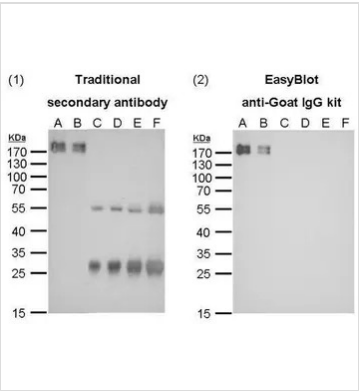
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DATA IMAGES



GTX628547-01 WB Image

GST antibody immunoprecipitates GST-fused protein in IP experiments.
IP Sample: GST-fused protein expressed E. coli lysate
A. total lysate
B. Control with 1 µg of preimmune goat IgG
C. Immunoprecipitation of GST-fused protein by 1 µg of GST antibody (GTX26633)
12% SDS-PAGE
The immunoprecipitated GST-fuesd protein was detected by GST antibody (GTX26633) diluted at 1:10000.
EasyBlot anti-goat IgG (GTX628547-01) was used as a secondary reagent.



GTX628547-01 WB Image

EasyBlot anti-Goat IgG (HRP)
Comparison of western blot analysis with traditional secondary antibody (GTX228416-01 diluted at 1:5000) (1) and EasyBlot anti-Goat IgG kit (GTX628547-01 diluted at 1:2000) (2).
A. 0.2 µg native goat IgG
B. 0.1 µg native goat IgG
C. 1 µg denatured goat IgG
D. 2 µg denatured goat IgG
E. 4 µg denatured goat IgG
F. 8 µg denatured goat IgG

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