

Goat anti-Mouse IgM Secondary Antibody, HRP

Product Details

Size	2 mL
Species Reactivity	Mouse
Host/Isotype	Goat / IgM
Class	Polyclonal
Type	Secondary Antibody
Conjugate	HRP
Form	Lyophilized
Concentration	0.8 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.6, with 15mg/mL BSA
Contains	no preservative
Storage conditions	4° C
RRID	AB_228329

Applications	Tested Dilution	Publications
Western Blot (WB)	1:10,000-1:200,000	0 Publication
Immunohistochemistry (IHC)	1:500-1:5,000	-
Immunocytochemistry (ICC/IF)	1:500-1:5,000	-
ELISA (ELISA)	-	0 Publication
Immunoprecipitation (IP)	Assay-dependent	-

Product Specific Information

Concentration may vary slightly from lot-to-lot, see lot-specific datasheet for exact concentration.

Product # 31440 has been successfully used in Western blot, and ICC applications.

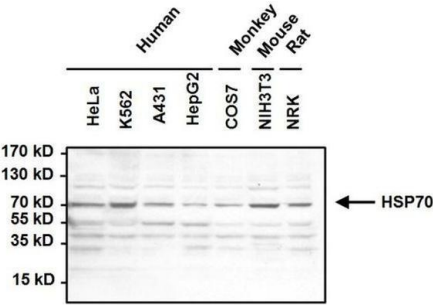
Antibody Specificity: This antibody reacts with the heavy chain portion of mouse IgM, based on immunoelectrophoresis. No antibody was detected against IgG or non-immunoglobulin serum proteins. However, this antibody may cross-react with IgM from other species

Restoration and Storage: Store product at 4°C until opened. Restore with 2 mL distilled water (0.8 mg/mL after restoration). Centrifuge product if it is not completely clear after standing for 1-2 hours at room temperature. To judge clarity, draw product into a pasteur pipette. Product may be stored for several weeks at 4°C as undiluted liquid. After dilution, do not use for more than one day.

To extend the shelf-life of this product, add an equal volume of glycerol to make a final concentration of approximately 50% glycerol and store at -20°C.

Country of Origin: USA

Product Images For Goat anti-Mouse IgM Secondary Antibody, HRP



Mouse IgM Secondary Antibody (31440) in WB

Western blot analysis of HSC70 was performed by loading 50µg of the indicated whole cell lysates and 15µl of PageRuler Prestained Protein Ladder (Product # 26616) onto a 4-20% Tris-HCl polyacrylamide gel. Proteins were transferred to a PVDF membrane and blocked with 5% BSA/TBST for at least 1 hour. The membrane was probed with a HSC70 monoclonal antibody (Product # MA3-014) at a dilution of 1:1000 overnight at 4°C on a rocking platform, washed in TBS-0.1%Tween 20, and probed with a goat anti-mouse IgM-HRP secondary antibody (Product # 31440) at a dilution of 1:20,000 for at least 1 hour. Chemiluminescent detection was performed using SuperSignal West Pico (Product # 34080).

Mouse IgM Secondary Antibody (31440) in WB

Western blot analysis of Heat Shock Protein 60 (HSP 60) was performed by loading 50 µg of the indicated whole cell lysates onto a 4-20% Tris-HCl polyacrylamide gel. Proteins were transferred to a PVDF membrane and blocked with 5% BSA/TBST for at least 1 hour. The membrane was probed with a HSP60 monoclonal antibody (Product # MA3-013) at a concentration of 1 µg/mL overnight at 4°C on a rocking platform, washed in TBS-0.1%Tween 20, and probed with a goat anti-mouse IgM secondary antibody (Product # 31440) at a dilution of 1:20,000 for at least 1 hour. Chemiluminescent detection was performed using SuperSignal West Pico (Product # 34080).

Mouse IgM Secondary Antibody (31440) in IP

Immunoprecipitation of HSC70 was performed on HeLa cells. Antigen-antibody complexes were formed by incubating 500 µg whole cell lysate with 2 µL of HSC70 monoclonal antibody (Product # MA3-014) overnight on a rocking platform at 4°C. The immune complexes were captured on 50 µL Protein A/G Plus Agarose (Product # 20421), washed extensively, and eluted with Lane Marker Reducing Sample Buffer (Product # 39000). Samples were resolved on a 4-20% Tris-HCl polyacrylamide gel, transferred to a PVDF membrane, and blocked with 5% BSA/TBST for at least 1 hour. The membrane was probed with a HSC70 monoclonal antibody (Product # MA3-014) at a dilution of 1:1000 overnight rotating at 4°C, washed in TBST, and probed with goat anti-mouse IgM-HRP secondary antibody (Product # 31440) for at least 1 hour. Chemiluminescent detection was performed using SuperSignal West Dura (Product # 34075).



19 References

Induction of long-term tolerance to a specific antigen using anti-CD3 lipid nanoparticles following gene therapy. *Mol Ther Nucleic Acids* (2023)

Mechanobiological Adaptation to Hyperosmolarity Enhances Barrier Function in Human Vascular Microphysiological System. *Adv Sci (Weinh)* (2023)

Generation and Characterization of a SARS-CoV-2-Susceptible Mouse Model Using Adeno-Associated Virus (AAV6.2FF)-Mediated Respiratory Delivery of the Human ACE2 Gene. *Viruses* (2022)

Altered mannose metabolism in chronic stress and depression is rapidly reversed by vitamin B12. *Front Nutr* (2022)

Murine Q Fever Vaccination Model Reveals Sex Dimorphism in Early Phase Delayed-Type Hypersensitivity Responses. *Front Immunol* (2022)

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