

# Goat anti-Mouse IgG, IgM (H+L) Cross Adsorbed Secondary Antibody, HRP conjugate

Product Data Sheet

Tested Species Reactivity	Published Species Reactivity
Mouse (Ms)	Not Applicable (N/A)

Tested Applications	Dilution *
Western Blot (WB)	1:5,000 - 1:200,000
Immunofluorescence (IF)	1:5,000 - 1:100,000
Immunocytochemistry (ICC)	1:5,000 - 1:100,000
Immunohistochemistry (IHC)	1:5,000 - 1:100,000
Flow Cytometry (Flow)	1:500 - 1:5,000
Immunoprecipitation (IP)	1:500 - 1:5,000
Published Applications	Dilution
Western Blot (WB)	See publications

\* Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.

Details	
<b>Catalog Number:</b>	31446
<b>Size:</b>	1.5 mL
<b>Class:</b>	Polyclonal
<b>Type:</b>	Secondary Antibody
<b>Clone:</b>	
<b>Host / Isotype:</b>	Goat / IgG
<b>Immunogen:</b>	

Form Information	
<b>Form:</b>	Lyophilized
<b>Concentration:</b>	0.8mg/ml
<b>Purification:</b>	purified
<b>Storage Buffer:</b>	PBS, pH 7.6, with 15mg/ml BSA
<b>Preservative:</b>	no preservative
<b>Storage Conditions:</b>	4° C

## Product Specific Information

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

Product # 31446 has been successfully used in Western blot, IF, ICC, IHC, IP and FACS applications.

**Antibody Specificity:** This antibody reacts with both mouse IgG and IgM and with the light chains of other mouse immunoglobulins. No antibody was detected against non-immunoglobulin serum proteins. The antibody has been tested by ELISA and/or solid-phase adsorbed to ensure minimal cross-reaction with human, bovine and horse serum proteins. However, this antibody may cross-react with immunoglobulins from other species.

**Restoration and Storage:** Store product at 2-8 °C until opened. Restore with 1.5 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 2-8°C as an 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

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## General Information

Thermo Scientific Anti-Mouse secondary antibodies are affinity-purified antibodies with well-characterized specificity for mouse immunoglobulins and are useful in the detection, sorting or purification of its specified target. Secondary antibodies offer increased versatility enabling users to use many detection systems (e.g. HRP, AP, fluorescence). They can also provide greater sensitivity through signal amplification as multiple secondary antibodies can bind to a single primary antibody. Most commonly, secondary antibodies are generated by immunizing the host animal with a pooled population of immunoglobulins from the target species and can be further purified and modified (i.e. immunoaffinity chromatography, antibody fragmentation, label conjugation, etc.) to generate highly specific reagents.

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