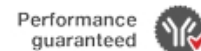


# F(ab')<sub>2</sub>-Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, HRP

Catalog Number 31438



Product Data Sheet

Details		Species Reactivity	
Size	500µL	Tested species reactivity	Mouse
Host / Isotype	-Goat / IgG	Tested Applications	Dilution *
Class	Polyclonal	Flow Cytometry (Flow)	1:500 - 1:5,000
Type	Secondary Antibody	Immunocytochemistry (ICC)	1:5,000 - 1:100,000
Conjugate	HRP	Immunofluorescence (IF)	1:5,000 - 1:100,000
Target Class	IgG	Immunohistochemistry (IHC)	1:5,000 - 1:100,000
Form	Lyophilized	Immunoprecipitation (IP)	1:500 - 1:5,000
Concentration	0.8mg/ml	Western Blot (WB)	1:4,000-1:20,000
Purification	Antigen affinity chromatography	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Storage Buffer	PBS, pH 7.6, with 15mg/ml BSA		
Contains	no preservative		
Storage Conditions	4° C		

## Product Specific Information

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

Product # 31438 has been successfully used in Western blot, IF, ICC, IHC, IP and FACS applications.

**Antibody Preparation:** This antibody has been isolated from antisera by combination of pepsin digestion and immunoaffinity chromatography, using antigen coupled to agarose beads. Fc fragments and whole IgG molecules have been removed.

**Antibody Specificity:** This antibody reacts with the heavy chains on mouse IgG and with the light chains common to most 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 4°C until opened. Restore with 0.5 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 4°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

## Background/Target 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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