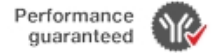


Goat anti-Mouse IgG (H+L) Secondary Antibody, FITC



Catalog Number 31569

Product Data Sheet

| Details | | Species Reactivity | |
|--------------------|---------------------------------|--|--------------|
| Size | 2mg | Tested species reactivity | Mouse |
| Host / Isotype | Goat / IgG | Tested Applications | Dilution * |
| Class | Polyclonal | Flow Cytometry (Flow) | 1:1000 |
| Type | Secondary Antibody | Immunocytochemistry (ICC) | 1 µg/ml |
| Conjugate | FITC | Immunofluorescence (IF) | 1 µg/ml |
| Target Class | IgG | Immunohistochemistry (IHC) | 1:50 - 1:200 |
| Form | Lyophilized | Immunoprecipitation (IP) | 1:50 - 1:200 |
| Concentration | 1.5mg/ml | * 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. | |
| Purification | Antigen affinity chromatography | | |
| Storage Buffer | PBS, pH 7.6, with 15mg/ml BSA | | |
| Contains | 0.05% sodium azide | | |
| Storage Conditions | 4° C | | |

Product Specific Information

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

Product # 31569 has been successfully used in Western blot, IF, ICC, IHC, IP and FACS applications.

Product # 31569 reacts with the heavy chains of mouse IgG and with the light chains common to most mouse immunoglobulins, based on electrophoresis. No antibody was detected against non-immunoglobulin serum proteins. However, this antibody may cross-react with immunoglobulins from other species.

Store product protected from light at 4°C until opened. 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. Fluorescein Amax= 492 nm; Emax= 520 nm. Fluorophore/Protein: 9.6 µg/mg; > 3 moles FITC per mole IgG (lot-dependent).

Reconstitute with 1.5 ml of distilled water (1.5 mg/ml after restoration).

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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