

IS20400 **HRP conjugated Goat Anti-Mouse IgG (H+L)**

Size: 1 mg

Isotype: IgG

Host: Goat

Clone: Polyclonal

Concentration: 2 mg/ml

Physical State: Liquid, rehydrated with Water

Suggested Dilution Range: 1:250 - 1:2500 for immunohisto/cytochemistry

1:25,000 - 1:400,000 for ELISA and Western blotting with chromogenic substrates

1:50,000 - 1:500,000 for Western blotting with ECL substrates

Peroxidase: Purified from horseradish root

Buffer: 10 mM Phosphate, 150 mM NaCl, pH 7.4, BSA 10 mg/mL, Proclin 300, 05%

Preservative: None (**Warning: Use of sodium azide as a preservative will substantially inhibit the enzyme activity of horseradish peroxidase.**)

Reconstitution and Storage: Store at 2-8°C. Product is stable for about 6 weeks at 2-8°C as liquid. Prepare working dilution fresh each day. For extended storage, aliquot and freeze at -70°C or below. Avoid repeated freezing and thawing. Alternatively, add an equal volume of glycerol (ACS grade or better) for a final concentration of 50%, and store at -20°C as a liquid. Note: adding glycerol reduces the stated protein concentration and dilution range by one-half.

Expiration date: One year. The expiration date may be extended if test results are acceptable for the intended use.

Warning: Confirm that glycerol is ACS grade or better before adding to this product. Lower grades of glycerol may seriously inhibit peroxidase enzyme activity.

Purity: The antibody was purified from antisera by immunoaffinity chromatography using antigens coupled to agarose beads.

Antibody Specificity: Based on immunoelectrophoresis and/or ELISA, the antibody reacts with whole molecule mouse IgG. It also reacts with the light chains of other mouse immunoglobulins. No antibody was detected against non-immunoglobulin serum proteins. The antibody may cross-react with immunoglobulins from other species.

Note: If the user wants to dilute the antibody with water, it is suggested to use the buffers example PBS with 1% BSA 0.05% Proclin 300, DO NOT USE SODIUM AZIDE

For *in vitro* research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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