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Product Information

Monoclonal Anti-Hamster IgG–Peroxidase
Clone MAH 1.12
produced in mouse, purified immunoglobulin

Catalog Number **A7851**

Product Description

Monoclonal Anti-Hamster IgG–Peroxidase is a lyophilized solution of a protein A purified fraction of monoclonal anti-hamster IgG, conjugated to horseradish peroxidase. Monoclonal Anti-Hamster IgG (mouse IgG2b isotype) is derived from the hybridoma MAH 1.12 produced by the fusion of mouse myeloma cells and splenocytes from mice (BALB/cByJ) immunized with purified Armenian Hamster monoclonal antibodies (clones TN3-19.2 and H22).

Monoclonal Anti-Hamster IgG–Peroxidase specifically recognizes hamster IgG and does not recognize human, bovine, horse, goat, pig, rabbit, rat, mouse, and chicken IgG. The product may be used in ELISA and immunoblotting (reducing and non-reducing conditions).

Hamster monoclonal antibodies have been frequently used as primary antibodies. Therefore, secondary antibodies specific for hamster immunoglobulins are particularly valuable reagents for performing immunoassays with hamster derived antibodies. Monoclonal anti-hamster IgG, which is devoid of binding activity to human, bovine, horse, goat, pig, rabbit, rat, mouse, and chicken IgGs, can serve as an essential tool in many applications, especially when used in immunohistochemistry. Furthermore, monoclonal anti-hamster IgG is produced in a bioreactor, and thus does not contain endogenous mouse proteins that are present in ascites, which may evoke non-specific staining.

Reagent

Supplied as a lyophilized powder. After reconstitution with 0.2.ml distilled water, the solution contains 0.01 M phosphate buffered saline, pH 7.4, 1% bovine serum albumin, and 0.01% merthiolate.

Antibody concentration: ~3-6 mg/ml

Molar ratio Ab/E: 0.7-1.4

Enzyme activity: at least 300 U/ml.

Preparation Instructions

Reconstitute the vial with 0.2 ml of distilled water.

Storage/Stability

Store the product at –20 °C. For extended storage after reconstitution, it is recommended to freeze in working aliquots. Repeated freezing and thawing, or storage in "frost-free" freezers, is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilution samples should be discarded if not used within 12 hours.

Product Profile

Immunoblotting: a minimum working antibody dilution of 1:2,000 is recommended using recombinant mouse TNFα, Catalog Number T7539.

ELISA: a minimum working antibody dilution of 1:40,000 is recommended using hamster IgG as the coating protein.

Note: In order to obtain the best results using various techniques and preparations, we recommend determining the optimal working dilution by titration.

MG,KAA,PHC 01/10-1