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TECHNICAL INFORMATION

Catalog Number: 55790

Biotin-Conjugated Goat Affinity Purified Antibody To Rat IgG (Whole Molecule)

DESCRIPTION: Product is biotin-conjugated goat affinity purified antibody to rat IgG (whole molecule) in a stabilized solution.

Antibody and highly purified N-hydroxysuccinimidobiotin are conjugated under defined conditions to obtain optimally labeled product. Conjugated protein is purified by gel filtration. The product is supplied in 0.02M sodium phosphate, 0.14M sodium chloride, pH 7.3, with 1% bovine albumin, and 10% glycerol (v/v), adjusted to standard titer, filtered through a 0.22 µm filter, and vialled.

USES: Biotin-conjugated antibodies can be used with labeled avidin reagents for enzyme immunoassays (EIA), cell and tissue staining (for light microscopy), and blot immunostaining. Use of affinity purified antibodies is recommended to avoid non-specific binding from the inherent antibodies of host animals. (Note: F(ab')₂ fragments are recommended for staining of cells or tissues which contain Fc receptors. See **Related Product Ordering Information** for these products.)

SPECIFICATIONS: To ensure that the product titer falls within the required range, antibody titer is standardized by microtiter plate ELISA with rat IgG. The affinity purified antibody is tested for purity at 10 mg/ml by immunoelectrophoresis. The antibody is goat IgG; no trace of albumin is detected. It shows reactivity to rat IgG; cross-reactivity to other species may exist. Because the product is directed against whole IgG, some antibodies are expected to bind light chain sites common to all immunoglobulins. Antibody activity to non-immunoglobulin serum proteins is not present.

RELATED PRODUCT ORDERING INFORMATION:

Catalog #DescriptionSize

55827AVIDIN5MG
55880FITC-CONJUGATED AVIDIN 5MG
55894TEXAS RED-CONJUGATED AVIDIN5MG
55898PEROXIDASE-CONJUGATED AVIDIN5MG
55899GLUCOSE OXIDASE-CONJUGATED AVIDIN5MG
55963ALKALINE PHOSPHATASE-CONJUGATED AVIDIN1MG
56406DIETHYLAMINOCUMARIN-CONJUGATED AVIDIN1MG
55964ALKALINE PHOSPHATASE-CONJUGATED BIOTIN1ML
55951PURIFIED RAT IGG 20MG
55984NORMAL GOAT SERUM2ML

Note: This product may contain a preservative such as sodium azide, thimerosal or proclin. Please see lot specific chemical credential for preservative information.

[If a titer/working dilution is not given above, please click here to see a general dilution chart for working with antibodies. Please note that the general dilution chart should only be used as a guideline. Each lab should determine their own optimal working dilution.](#)

[Will this antibody work with your application? Please click here to see a general chart of antibody applications. Please note that any information given above is primary application data. The general applications charts should only be used as a reference.](#)