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TECHNICAL INFORMATION

Catalog Number: 55724

Goat IgG Fraction To Rat IgG F(ab')₂

DESCRIPTION: Product is the lyophilized powder of goat IgG fraction to rat IgG F(ab')₂ and buffer salts.

The IgG fraction is prepared from the specific goat antiserum by delipidation, ammonium sulfate fractionation and anion exchange chromatography. The resulting IgG fraction is dialyzed into 0.02M sodium phosphate, 0.14M sodium chloride, pH 7.3, adjusted to standard titer, filtered through a 0.22 µm filter, vialled and lyophilized.

USES: This product is suitable for use as a precipitating antibody. It gives sharp precipitin lines in immunoelectrophoresis and immunodiffusion techniques.

This product is suitable for conjugation with enzymes, radiolabels, fluorochromes or other markers, and for attachment to solid supports for use as an immunoabsorbant.

This product is suitable for use as a primary reagent in enzyme immunoassays, fluorescein immunoassays and blot, cell or tissue immunostaining. See **Related Product Ordering Information**.

SPECIFICATIONS: The total protein is measured using the Biuret procedure, with bovine albumin as a standard. Antibody titer is standardized to an in-house standard by equivalence-point precipitation. Each IgG fraction is tested for purity and specificity at a minimum of 40 mg/ml using immunoelectrophoresis. The product is mostly goat IgG; no trace of albumin is detected. It shows reactivity to rat F(ab')₂ and IgG; cross-reactivity to other species may exist. Because the product is directed against F(ab')₂ some antibodies are expected to bind light chain sites common to all immunoglobulins. Antibody activity to Fc or non-immunoglobulin serum proteins is not present.

RECONSTITUTION: Reconstitute product with 5.0 ml of deionized or distilled water. Gentle swirling may be used to speed rehydration. Avoid vigorous shaking of the reconstituted material.

RELATED PRODUCT ORDERING INFORMATION:

Catalog #DescriptionSize

55747 (12130111)FITC GOAT ANTI-RAT IGG F(AB')₂2ML

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.](#)