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TECHNICAL INFORMATION

Catalog Number: 55622

Goat IgG Fraction To Rabbit IgG (Whole Molecule)

DESCRIPTION: Product is the lyophilized powder of goat IgG fraction to rabbit IgG (whole molecule) 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 immunoadsorbant.

This product is suitable for use as a primary reagent in enzyme immunoassays, fluorescein immunoassays and blot, cell or tissue immunostaining. (Note: F(ab')₂ fragments are recommended for staining of cells or tissues which contain Fc receptors. Affinity purified antibodies are recommended to avoid non-specific binding from the inherent antibodies of host animals. See **Related Product Ordering Information** for these products.)

SUGGESTED WORKING DILUTIONS:

1:50 - 1:200 for Tissue Staining
1:100 - 1:500 for Immunoblotting
1:400 - 2,000 for Elisa

It is recommended that each lab obtain their own optimal working dilution for each assay.

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 rabbit 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.

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

55602 (01120081)GOAT ANTI-RABBIT IGG (WHOLE MOLECULE)2ML
55636 (03120081)F(AB')₂ GOAT ANTI-RABBIT IGG (WHOLE MOLECULE)2ML
55641 (06120081)AFF.PUR. GOAT ANTI-RABBIT IGG (WHOLE MOLECULE) 2MG
55644 (07120081)AFF.PUR. F(AB')₂ GOAT ANTI-RABBIT IGG (WM)2MG
55696 (76120081)AFF.PUR. GOAT ANTI-RABBIT IGG (WM) AFF. GEL2ML
55944 (60120080)PURIFIED RABBIT IGG50MG
55961 (70120080)RABBIT IGG AFFINITY GEL2ML
55640 (04120081)FAB GOAT ANTI-RABBIT IGG (WHOLE MOLECULE)5ML

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.](#)