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TECHNICAL INFORMATION

Catalog Number: 55220

Peroxidase-Conjugated Goat IgG Fraction To Human IgG (Whole Molecule)

DESCRIPTION: Product is the lyophilized powder of horseradish peroxidase (HRP)-conjugated goat IgG fraction to human IgG (whole molecule) and buffer salts.

Antibody and highly purified HRP ($R_z > 3.0$) are conjugated under defined conditions to obtain optimally labeled product. Conjugated protein is purified by salt fractionation. The product is dialyzed into 0.02M sodium phosphate, 0.14M sodium chloride, pH 7.3, adjusted to standard titer, filtered through a 0.22 μ m filter, vialled and lyophilized.

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

SPECIFICATIONS: The total protein is measured using the Biuret procedure with bovine albumin as the standard. To ensure that the product titer falls within the required range, antibody titer is standardized by microtiter plate ELISA with human IgG. The product is tested for purity and specificity at final concentration by immunoelectrophoresis. The antibody is predominantly goat IgG; no trace of albumin is detected. It shows reactivity to human 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 2.0 ml of deionized or distilled water. Gentle swirling may be used to speed rehydration. Do not add sodium azide. Avoid vigorous shaking of the reconstituted material.

RELATED PRODUCT ORDERING INFORMATION:

Catalog #DescriptionSize

55087GOAT ANTI-HUMAN IGG (WHOLE MOLECULE)2ML
55007IGG GOAT ANTI-HUMAN IGG (WHOLE MOLECULE)5ML
55049F(AB')₂ GOAT ANTI-HUMAN IGG (WHOLE MOLECULE)2ML
55067FAB GOAT ANTI-HUMAN IGG (WHOLE MOLECULE)5ML
55070AFF.PUR. GOAT ANTI-HUMAN IGG (WHOLE MOLECULE)2MG
55075AFF.PUR. F(AB')₂ GOAT ANTI-HUMAN IGG (WM)2MG
55259AFF.PUR. GOAT ANTI-HUMAN IGG (WM) AFF. GEL2ML
59290AKP AFF.PUR. GOAT ANTI-HUMAN IGG (WM)1ML
59285AKP AFF.PUR. F(AB')₂ GOAT ANTI-HUMAN IGG (WM)1ML
55244HRP F(AB')₂ GOAT ANTI-HUMAN IGG (WHOLE MOLECULE)2ML
55252HRP AFFINITY PURIFIED GOAT ANTI-HUMAN IGG (WM)2ML
55908PURIFIED HUMAN IGG50MG
36315DAB6x1ML
36317OPD6x1ML
36318TMB6x1ML
36319ABTS\6x1ML
55984NORMAL GOAT SERUM2ML

ABTS is a registered trademark of Boehringer Mannheim GmbH.

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.](#)