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TECHNICAL INFORMATION

Catalog Number: 55328

Fluorescein-Conjugated Goat IgG Fraction To Dog IgM (μ Chain)

DESCRIPTION: Product is the lyophilized powder of fluorescein-5-isothiocyanate (FITC "Isomer I")-conjugated goat IgG fraction to dog IgM (μ chain) and buffer salts.

Antibody and FITC are conjugated under defined conditions to obtain the specified molar ratio (3-6 mol/mol). Conjugated protein is purified by gel filtration. 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 immunofluorescence assays (IFA), cell staining (fluorescent microscopy and cell sorting), tissue staining, and blot immunostaining. (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.)

SUGGESTED WORKING DILUTIONS:

1:100 - 1:400 for Tissue Staining
1:250 - 1:1,000 for Immunoblotting
1:1,000 - 4,000 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 the standard; F/P ratio is calculated using absorbance at 491.5nm. Antibody titer of the IgG fraction is standardized with an in-house control by immunoelectrophoresis. The IgG fraction is tested for purity and specificity at 40 mg/ml using immunoelectrophoresis. The product is mostly goat IgG; no trace of albumin is detected. This product shows reactivity to dog IgM; cross-reactivity to other species may exist. Antibody activity to dog IgG or 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. Avoid vigorous shaking of the reconstituted material.

RELATED PRODUCT ORDERING INFORMATION:

Catalog #DescriptionSize

55313 GOAT ANTI-DOG IGM (μ CHAIN) 2ML
55321 IGG GOAT ANTI-DOG IGM (μ CHAIN)5ML
55334 HRP GOAT ANTI-DOG IGM (μ CHAIN)2ML
55984 NORMAL GOAT SERUM2ML
40030BOSERAL PUR10GM

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.