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Certificate of Analysis

cappel

**FLUORESCHEIN-CONJUGATED GOAT F(AB')₂ FRAGMENT
TO HUMAN IMMUNOGLOBULINS (IGG,IGA,IGM) - 2ML**
Catalog #: 55186
Lot #: 07022

Total Protein: 12.1 mg/ml
F/P Ratio: 4.7 mol/mol

DESCRIPTION:

Product is the lyophilized powder of fluorescein-5-isothiocyanate (FITC "Isomer I")-conjugated goat F(ab')₂ fragment to human immunoglobulins (IgG,IgA,IgM) 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, with 0.05% sodium azide, adjusted to standard titer, filtered through a 0.22 µm 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. F(ab')₂ fragments are recommended for staining of cells or tissues which contain Fc receptors. (Note: 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.)

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 F(ab')₂ fragments are tested for purity and specificity at a minimum of 20 mg/ml using immunoelectrophoresis. The product is goat F(ab')₂; no trace of albumin, whole molecule IgG or Fc is detected. This product shows reactivity to human immunoglobulins (IgG,IgA,IgM); cross-reactivity to other species may exist. Antibody activity to non-immunoglobulin serum proteins is not present.

EXPIRATION DATE:

8/31/2018

DILUTION RECCOMENDATIONS:

1:100 - 1:400 for Tissue Staining
1:250 - 1:1,000 for Immuno Blotting
1:1,000 - 1:4,000 for ELISA/FIA

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.

STORAGE:

Store lyophilized product at 2-8°C. Store reconstituted material no longer than 4 weeks at 2-8°C. For long-term storage, aliquot and freeze reconstituted product at -20°C or lower.

WARNING AND CAUTION:

This product is intended **FOR RESEARCH USE ONLY**, not for use in diagnostic or therapeutic procedures involving humans or animals.

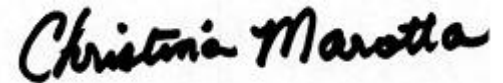
This product contains sodium azide. To prevent formation of toxic vapors, do not mix with strongly acidic solutions. To prevent formation of potentially explosive metallic azides in metal plumbing, always wash into drain with copious quantities of water.

RELATED PRODUCT ORDERING INFORMATION:

Catalog #DescriptionSize

55100GOAT ANTI-HUMAN IMMUNOGLOBULINS (G,A,M)2ML
55020IGG GOAT ANTI-HUMAN IMMUNOGLOBULINS (G,A,M) 5ML
55074AFF.PUR. GOAT ANTI-HUMAN IMMUNOGLOBULINS (G,A,M)2MG
55838PURIFIED HUMAN GAMMA GLOBULIN 100MG
55908PURIFIED HUMAN IGG50MG
55906PURIFIED HUMAN SERUM IGA 5MG
55916PURIFIED HUMAN IGM5MG
55984NORMAL GOAT SERUM2ML
40030BOSERAL PUR10MG

For additional fluorochrome and enzyme conjugates, peroxidase substrates, and antisera to human IgG subclasses, please see our catalog.



Approved by: *Christina Marotta*
Quality Control Director

**TO PLACE AN ORDER IN THE U.S., PLEASE CALL 800-854-0530
OR TO OBTAIN TECHNICAL ASSISTANCE IN THE U.S., PLEASE CALL 800-279-5490
OUTSIDE THE U.S., CONTACT YOUR LOCAL DISTRIBUTOR.**