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cappel

**FLUORESCHEIN-CONJUGATED GOAT F(AB')₂
FRAGMENT TO HUMAN IGG FC - 2ML**

Catalog #: 55184

Lot #: 08014

Total Protein: 21.6 mg/ml

F/P Ratio: 5.9 mol/mol

Antibody Protein: 5 mg/ml

DESCRIPTION:

Product is the lyophilized powder of fluorescein-5-isothiocyanate (FITC "Isomer I")-conjugated goat F(ab')₂ fragment to human IgG Fc 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 by equivalence-point precipitation. 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 Fc and IgG; cross-reactivity to other species may exist. Antibody activity to Fab, IgA, IgM, or non-immunoglobulin serum proteins is not present.

EXPIRATION DATE:

4/30/2023

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 # Description Size

55095 GOAT ANTI-HUMAN IGG FC 2ML
55014 IGG GOAT ANTI-HUMAN FC 5ML
55053 F(AB')₂ GOAT ANTI-HUMAN IGG FC 2ML
55071 AFF.PUR. GOAT ANTI-HUMAN IGG FC 2MG
55911 PURIFIED HUMAN IGG FC 10MG
55984 NORMAL GOAT SERUM 2ML

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



Approved by: *John Huang, PhD*
Quality Control Manager

**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.**