



MP Biomedicals, LLC.

29525 Fountain Parkway
Solon, Ohio 44139

Telephone: 440/337-1200

Toll Free: 800/854-0530

Fax: 440/337-1180

mailto:biotech@mpbio.com

web: www.mpbio.com

cappel

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

Catalog #: 55246

Lot #: 00171

Total Protein: 20.68 mg/ml

Titer: 1:112,580

DESCRIPTION:

Product is the lyophilized powder of horseradish peroxidase (HRP)-conjugated goat F(ab')₂ fragment to human IgG Fc and buffer salts.

Antibody fragments 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, with 0.01% thimerosal, 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. Use of F(ab')₂ fragments is 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. 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 fragment is goat F(ab')₂; no trace of albumin, whole molecule IgG or Fc is detected. It 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.

DILUTION RECCOMENDATIONS:

1:500 - 1:4,000 for Tissue Staining

1:1,000 - 1:8,000 for Immuno Blotting

1:2,000 - 1:16,000 for ELISA/FIA

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.

STORAGE:

Store lyophilized product 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.

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
59289 AKP AFF.PUR. GOAT ANTI-HUMAN IGG FC 1ML
55226 HRP GOAT ANTI-HUMAN IGG FC 2ML
55253 HRP AFF.PUR. GOAT ANTI-HUMAN IGG FC 2ML
55911 PURIFIED HUMAN IGG FC 10MG
36315 DAB 6x1ML
36317 OPD 6x1ML
36318 TMB 6x1ML
36319 ABTS\ 6x1ML
55984 NORMAL GOAT SERUM 2ML

For fluorochrome conjugates, and antisera to human IgG subclasses, please see our catalog.

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Approved by: Joseph Dietz, Ph.D.
Quality Control Director

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OR TO OBTAIN TECHNICAL ASSISTANCE IN THE U.S., PLEASE CALL 800-279-5490
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