



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

**FLUORESCHEIN-CONJUGATED GOAT IGG FRACTION TO
HUMAN KAPPA LIGHT CHAIN
(FREE BENICE-JONES PROTEIN) - 2ML**

Catalog #: 55159

Lot #: 07727

Total Protein: 18.0 mg/ml

F/P Ratio: 5.8 mol/mol

DESCRIPTION:

Product is the lyophilized powder of fluorescein-5-isothiocyanate (FITC "Isomer I")-conjugated goat IgG fraction to human kappa light chain (free) 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 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.

See **Related Product Ordering Information**.

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 human free kappa light chain; cross-reactivity to other species may exist. Antibody activity to Fab fragments with kappa or lambda light chains, to free lambda chains, or non-immunoglobulin serum proteins is not present.

EXPIRATION DATE:

8/31/2023

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

55025 IGG GOAT ANTI-HUMAN KAPPA (FREE) 5ML
55105 GOAT ANTI-HUMAN KAPPA (FREE) 2ML
55984 NORMAL GOAT SERUM 2ML


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.**