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cappel

**FLUORESCCEIN-CONJUGATED GOAT IGG FRACTION TO
HUMAN LAMBDA LIGHT CHAIN (BOUND) - 2ML**

Catalog #: 55160

Lot #: Typical

Total Protein: ? mg/ml
F/P Ratio: ? mol/mol

DESCRIPTION:

Product is the lyophilized powder of fluorescein-5-isothiocyanate (FITC "Isomer I")-conjugated goat IgG fraction to human lambda light chain (bound) 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. (Note: F(ab')₂ fragments are recommended for staining of cells or tissues which contain Fc receptors.)

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 bound lambda light chains; cross-reactivity to other species may exist. Because the product is directed against the lambda chains in Fab, some antibodies are expected to bind light chain sites common to all immunoglobulins. Antibody activity to free lambda light chains may be present. Antibody activity to kappa Fab, free kappa light chains, 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.

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

55026 (02010281) IGG GOAT ANTI-HUMAN LAMBDA CHAIN (BOUND) 5ML
55060 (03010281) F(AB')₂ GOAT ANTI-HUMAN LAMBDA CHAIN (BOUND) 2ML
55106 (01010281) GOAT ANTI-HUMAN LAMBDA (BOUND) 2ML
55189 (13010281) FITC F(AB')₂ GOAT ANTI-HUMAN LAMBDA CH (BOUND) 2ML
55234 (32010281) HRP GOAT ANTI-HUMAN LAMBDA CHAIN (BOUND) 2ML
55984 (50061380) NORMAL GOAT SERUM 2ML
40030 BOSERAL PUR 10GM

 **Approved by** Joseph Dietz, Ph.D.
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.