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**cappel**

**FLUORESCHEIN-CONJUGATED GOAT IGG FRACTION TO  
DOG IGM ( $\mu$  CHAIN) - 2ML**

**Catalog #: 55328**

**Lot #: 08120**

Total Protein: 8.8 mg/ml

F/P Ratio: 4.4 mol/mol

#### **DESCRIPTION:**

Product is the lyophilized powder of fluorescein-5-isothiocyanate (FITC "Isomer I")-conjugated goat IgG fraction to dog IgM ( $\mu$  chain) 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  $\mu$ 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')<sub>2</sub> fragments are recommended for staining of cells or tissues which contain Fc receptors. See **Related Product Ordering Information** for these products.)

#### **SUGGESTED WORKING DILUTIONS:**

1:100 - 1:400 for Tissue Staining

1:250 - 1:1,000 for Immunoblotting

1:1,000 - 4,000 for Elisa

**It is recommended that each lab obtain their own optimal working dilution for each assay.**

#### **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 dog IgM; cross-reactivity to other species may exist. Antibody activity to dog IgG or non-immunoglobulin serum proteins is not present.

#### **EXPIRATION DATE:**

1/31/2024

#### **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

55313	GOAT ANTI-DOG IGM ( $\mu$ CHAIN)	2ML
55321	IGG GOAT ANTI-DOG IGM ( $\mu$ CHAIN)	5ML
55334	HRP GOAT ANTI-DOG IGM ( $\mu$ CHAIN)	2ML
55984	NORMAL GOAT SERUM	2ML
40030	BOSERAL PUR	10GM



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

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