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cappel

**FLUORESCHEIN-CONJUGATED GOAT AFFINITY PURIFIED
ANTIBODY TO MOUSE IGG (WHOLE MOLECULE) - 2MG**

Catalog #: 55514

Lot #: 01459

Total Protein: 1.05 mg/ml

F/P Ratio: 4.7 mol/mol

Active Antibody: 1.0 mg/ml

DESCRIPTION:

Product is fluorescein-5-isothiocyanate (FITC "Isomer I")-conjugated goat affinity purified antibody to mouse IgG (whole molecule) 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 and 10% glycerol (v/v), adjusted to standard titer, filtered through a 0.22 µm filter, and vialled.

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. Use of these affinity purified antibodies is recommended to avoid non-specific binding from the inherent antibodies of host animals. (Note: F(ab')₂ fragments are recommended for staining of cells or tissues which contain Fc receptors. See **Related Product Ordering Information** for these products.)

SPECIFICATIONS:

The total protein is measured by absorbance (A_{280nm}); F/P ratio is calculated using absorbance at 491.5nm. Antibody titer of the affinity purified antibody is standardized by equivalence-point precipitation. The affinity purified antibody is tested for purity at 10 mg/ml using immunoelectrophoresis. The product is goat IgG; no trace of albumin is detected. This product shows reactivity to mouse IgG; cross-reactivity to other species may exist. Because the product is directed against whole IgG, some antibodies are expected to bind light chain sites common to all immunoglobulins. Antibody activity to non-immunoglobulin serum proteins is not present.

STORAGE:

Store unopened product at 2-8°C. Store opened material no longer than 4 weeks at 2-8°C. For long term storage, aliquot and store with 40% glycerol (v/v) at -20°C.

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

55435 GOAT ANTI-MOUSE IGG (WHOLE MOLECULE) 2ML
55455 IGG GOAT ANTI-MOUSE IGG (WHOLE MOLECULE) 5ML
55468 F(AB')₂ GOAT ANTI-MOUSE IGG (WHOLE MOLECULE) 2ML
55477 FAB GOAT ANTI-MOUSE IGG (WHOLE MOLECULE) 5ML
55479 AFF.PUR. GOAT ANTI-MOUSE IGG (WHOLE MOLECULE) 2MG
55487 AFF.PUR. F(AB')₂ GOAT ANTI-MOUSE IGG (WM) 2MG
55581 AFF.PUR. GOAT ANTI-MOUSE IGG (WM) AFF. GEL 2ML
55939 PURIFIED MOUSE IGG 20MG
55960 MOUSE IGG AFFINITY GEL 2ML
55984 NORMAL GOAT SERUM 2ML

For additional fluorochrome, enzyme, and biotin conjugates, peroxidase substrates, and mouse IgG subclasses, please see our catalog.


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.**