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cappel

**FLUORESCHEIN-CONJUGATED GOAT AFFINITY PURIFIED
ANTIBODY TO RAT IGG (NO CROSS TO HUMAN) - 2MG**

Catalog #: 56407

Lot #: 37896

Total Protein: 1.24 mg/ml

F/P Ratio: 3.5 mol/mol

Active Antibody: 1.0 mg/ml

DESCRIPTION:

Product is fluorescein-5-isothiocyanate (FITC "Isomer I")-conjugated goat affinity purified antibody to rat IgG (no cross to human) 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.

See **Related Product Ordering Information**.

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 rat IgG. Because the product is directed against whole IgG, some antibodies are expected to bind light chain sites common to all immunoglobulins. Antibody activity to human IgG or rat 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

56400 (01132311) GOAT ANTI-RAT IGG (NO X HUMAN) 2ML
56402 (02132311) IGG GOAT ANTI-RAT IGG (NO X HUMAN) 5ML
56403 (12132311) FITC GOAT ANTI-RAT IGG (NO X HUMAN) 2ML
56404 (32132311) HRP GOAT ANTI-RAT IGG (NO X HUMAN) 2ML
55742 (06132311) AFFINITY PURIFIED GOAT ANTI-RAT IGG (NO X HUMAN) 2MG
55782 (36132311) HRP AFF.PUR. GOAT ANTI-RAT IGG (NO X HUMAN) 2ML
59302 (86132311) AKP AFF.PUR. GOAT ANTI-RAT IGG (NO X HUMAN) 1ML
55951 (60130080) PURIFIED RAT IGG 20MG
55984 (50061380) NORMAL GOAT SERUM 2ML
40030 BOSERAL PUR 10MG

For peroxidase substrates, please see our catalog.


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
OUTSIDE THE U.S., CONTACT YOUR LOCAL DISTRIBUTOR.**