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# cappel

**FLUORESCHEIN-CONJUGATED RABBIT  
AFFINITY PURIFIED ANTIBODY TO  
SHEEP IGG (WHOLE MOLECULE) - 2MG**

**Catalog #:** 57005

**Lot #:** 02067

Total Protein: 1.1 mg/ml  
F/P Ratio: 5.23 mol/mol  
Active Antibody: 1.0 mg/ml

## DESCRIPTION:

Product is fluorescein-5-isothiocyanate (FITC "Isomer I")-conjugated rabbit affinity purified antibody to sheep 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  $\mu$ m 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')<sub>2</sub> 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<sub>280nm</sub>); 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 rabbit IgG; no trace of albumin is detected. This product shows reactivity to sheep 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

55794 RABBIT ANTI-SHEEP IGG (WHOLE MOLECULE) 2ML  
55802 IGG RABBIT ANTI-SHEEP IGG (WHOLE MOLECULE) 5ML  
55807 F(AB')<sub>2</sub> RABBIT ANTI-SHEEP IGG (WHOLE MOLECULE) 2ML  
55809 FITC RABBIT ANTI-SHEEP IGG (WHOLE MOLECULE) 2ML  
55811 FITC F(AB')<sub>2</sub> RABBIT ANTI-SHEEP IGG (WM) 2ML  
55812 RHO RABBIT ANTI-SHEEP IGG (WHOLE MOLECULE) 2ML  
55814 HRP RABBIT ANTI-SHEEP IGG (WHOLE MOLECULE) 2ML  
56991 AKP AFF.PUR. RABBIT ANTI-SHEEP IGG (WM) 1ML  
56992 HRP AFF.PUR. RABBIT ANTI-SHEEP IGG (WM) 2ML  
55954 PURIFIED SHEEP IGG 50MG  
55990 NORMAL RABBIT SERUM 2ML

  
Approved by: Joseph Dietz, Ph.D.  
Quality Control Director

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