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# cappel

**ALKALINE PHOSPHATASE-CONJUGATED GOAT  
AFFINITY PURIFIED ANTIBODY TO  
HUMAN IMMUNOGLOBULINS (IGG,IGA,IGM) - 1ML**

**Catalog #: 59284**

**Lot #: 00669**

Titer: 1:8,900

Enzyme Activity: 932 Units/ml

## **DESCRIPTION:**

Product is alkaline phosphatase (AKP)-conjugated goat affinity purified antibody to human immunoglobulins (IgG,IgA,IgM) and buffer salts.

Antibody and highly purified calf-intestine alkaline phosphatase are conjugated under defined conditions to obtain optimally labeled product. Conjugated protein is purified by gel filtration. The product is dialyzed into 0.03M TRIS, 0.14M sodium chloride, pH 8.0, with 1% bovine albumin and 0.05% sodium azide, adjusted to standard titer, filtered through a 0.22 µm filter, and vialled.

## **USES:**

This product is suitable for use as a reagent in enzyme immunoassays (EIA), cell and tissue staining (for light microscopy), cell and tissue labeling (for electron microscopy), and blot immunostaining. Use of 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:**

To ensure that the product titer falls within the required range, antibody titer is standardized by microtiter plate ELISA with human gamma globulin. The antibody is tested for purity at 10 mg/ml by immunoelectrophoresis. The antibody is goat IgG; no trace of albumin is detected. It shows reactivity to human immunoglobulins (IgG,IgA,IgM); cross-reactivity to other species may exist. 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

55074 AFF.PUR. GOAT ANTI-HUMAN IMMUNOGLOBULINS  
(G,A,M) 2MG  
55838 PURIFIED HUMAN GAMMA GLOBULIN 100MG  
55908 PURIFIED HUMAN IGG 50MG  
55906 PURIFIED HUMAN SERUM IGA 5MG  
55916 PURIFIED HUMAN IGM 5MG  
55230 HRP GOAT ANTI-HUMAN IMMUNOGLOBULINS (G,A,M) 2ML  
55248 HRP F(AB')<sub>2</sub> GOAT ANTI-HUMAN IMMUNO. (G,A,M) 2ML  
55256 HRP AFF.PUR. GOAT ANTI-HUMAN IMMUNO. (G,A,M) 2ML  
55984 NORMAL GOAT SERUM 2ML

**For unconjugated antibodies, fluorochrome conjugates, peroxidase substrates, and antisera to human IgG subclasses, 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.**