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# cappel

**PEROXIDASE-CONJUGATED GOAT IGG FRACTION TO  
MOUSE IMMUNOGLOBULINS (IGG,IGA,IGM) - 2ML**

**Catalog #:** 55556

**Lot #:** 40270

Total Protein: 8.5 mg/ml

Titer: 1:68,400

## **DESCRIPTION:**

Product is the lyophilized powder of horseradish peroxidase (HRP)-conjugated goat IgG fraction to mouse immunoglobulins (IgG,IgA,IgM) and buffer salts.

Antibody and highly purified HRP ( $R_z > 3.0$ ) are conjugated under defined conditions to obtain optimally labeled product.

Conjugated protein is purified by salt fractionation. The product is dialyzed into 0.02M sodium phosphate, 0.14M sodium chloride, pH 7.3, with 0.01% thimerosal, 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 enzyme immunoassays (EIA), cell and tissue staining (for light microscopy), cell and tissue labeling (for electron microscopy), and blot immunostaining. (Note: F(ab')<sub>2</sub> fragments are recommended for staining of cells or tissues which contain Fc receptors. Affinity purified antibodies or their fragments are recommended to avoid non-specific binding from inherent antibodies of host animals. See **Related Product Ordering Information** for these products.)

## **SPECIFICATIONS:**

The total protein is measured using the Biuret procedure with bovine albumin as the standard. To ensure that the product titer falls within the required range, antibody titer is standardized by microtiter plate ELISA with mouse gamma globulin. The product is tested for purity and specificity at final concentration by immunoelectrophoresis. The antibody is predominantly goat IgG; no trace of albumin is detected. It shows reactivity to mouse immunoglobulins (IgG,IgA,IgM); cross-reactivity to other species may exist. Antibody activity to non-immunoglobulin serum proteins is not present.

## **RECONSTITUTION:**

Reconstitute product with 2.0 ml of deionized or distilled water. Gentle swirling may be used to speed rehydration. Do not add sodium azide. Avoid vigorous shaking of the reconstituted material.

## **STORAGE:**

Store lyophilized product 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.

**RELATED PRODUCT ORDERING INFORMATION:**

Catalog # Description Size

55441 GOAT ANTI-MOUSE IMMUNOGLOBULINS (G,A,M) 2ML  
55461 IGG GOAT ANTI-MOUSE IMMUNOGLOBULINS (G,A,M) 5ML  
55486 AFF.PUR. GOAT ANTI-MOUSE IMMUNOGLOBULINS (G,A,M) 2MG  
55491 AFF.PUR. F(AB')<sub>2</sub> GOAT ANTI-MOUSE IMMUNO. (G,A,M) 2MG  
55861 PURIFIED MOUSE GAMMA GLOBULIN 25MG  
59294 AKP AFF.PUR. GOAT ANTI-MOUSE IMMUNO. (G,A,M) 1ML  
59304 AKP AFF.PUR.F(AB')<sub>2</sub> GOAT ANTI-MOUSE IMM.(G,A,M) 1ML  
55570 HRP AFF.PUR. GOAT ANTI-MOUSE IMMUNO. (G,A,M) 2ML  
55576 HRP AFF.PUR. F(AB')<sub>2</sub> GOAT ANTI-MOUSE IMM.(G,A,M) 2ML  
55939 PURIFIED MOUSE IGG 20MG  
50325 PURIFIED MOUSE MYELOMA IGA(k<sub>2</sub>) MOPC 315 1MG  
50326 PURIFIED MOUSE MYELOMA IGA(j) TEPC 15 1MG  
50335 PURIFIED MOUSE MYELOMA IGM(k<sub>1</sub>) MOPC 104E 1MG  
50336 PURIFIED MOUSE MYELOMA IGM(j) TEPC 183 1MG  
36315 DAB 6x1ML  
36317 OPD 6x1ML  
36318 TMB 6x1ML  
36319 ABTS\ 6x1ML  
55984 NORMAL GOAT SERUM 2ML

**For fluorochrome and biotin conjugates, please see our catalog.**

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

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