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# cappel

**PEROXIDASE-CONJUGATED SHEEP IGG FRACTION TO  
RAT ALBUMIN - 2ML**

**Catalog #: 55776**

**Lot #: 00409**

Total Protein: 8.0 mg/ml

Titer: 1:77,600

## **DESCRIPTION:**

Product is the lyophilized powder of horseradish peroxidase (HRP)-conjugated sheep IgG fraction to rat albumin 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.

## **SUGGESTED WORKING DILUTIONS:**

1:500 - 1:4,000 for Tissue Staining

1:1,000 - 1:8,000 for Immunoblotting

1:2,000 - 16,000 for Elisa

**It is recommended that each lab obtain their own optimal working dilution for each assay.**

See **Related Product Ordering Information**.

## **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 rat albumin. The product is tested for purity and specificity at final concentration by immunoelectrophoresis. The antibody is predominantly sheep IgG; no trace of albumin is detected. It shows reactivity to rat albumin; cross-reactivity to other species may exist. Antibody activity to other 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

55712 SHEEP ANTI-RAT ALBUMIN 2ML  
55729 IGG SHEEP ANTI-RAT ALBUMIN 5ML  
55952 PURIFIED RAT ALBUMIN 25MG  
36315 DAB 6x1ML  
36317 OPD 6x1ML  
36318 TMB 6x1ML  
36319 ABTS\ 6x1ML  
55992 NORMAL SHEEP SERUM 2ML

ABTS is a registered trademark of Boehringer Mannheim GmbH.

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

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