



MP Biomedicals, LLC.

29525 Fountain Parkway
Solon, Ohio 44139

Telephone: 440/337-1200

Toll Free: 800/854-0530

Fax: 440/337-1180

mailto:biotech@mpbio.com

web: www.mpbio.com

cappel

**PEROXIDASE-CONJUGATED SHEEP IGG FRACTION TO
MOUSE IGG (NO CROSS TO HUMAN) - 2ML**

Catalog #: 55558

Lot #: 07691

Total Protein: 16.9 mg/ml

Titer: 1:166,000

DESCRIPTION:

Product is the lyophilized powder of horseradish peroxidase (HRP)-conjugated sheep IgG fraction to mouse IgG (no cross to human) 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 μ 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')₂ 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 IgG and human IgG. 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 mouse 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 mouse non-immunoglobulin serum proteins is not present.

EXPIRATION DATE:

5/31/2021

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

55485 AFF.PUR. SHEEP ANTI-MOUSE IGG (NO X HUMAN) 2MG
55490 AFF.PUR. F(AB')₂ SHEEP ANTI-MOUSE IGG (NO X HU) 2MG
59293 AKP AFF.PUR. SHEEP ANTI-MOUSE IGG (NO X HU) 1ML
59305 AKP AFF.PUR. F(AB')₂ SHEEP ANTI-MOUSE IGG(NOXHU) 1ML
55569 HRP AFF.PUR. SHEEP ANTI-MOUSE IGG (NO X HU) 2ML
55575 HRP AFF.PUR. F(AB')₂ SHEEP ANTI-MOUSE IGG(NOXHU) 2ML
55939 PURIFIED MOUSE IGG 20MG
36315 DAB 6x1ML
36317 OPD 6x1ML
36318 TMB 6x1ML
36319 ABTS\ 6x1ML
55992 NORMAL SHEEP SERUM 2ML

For unconjugated antibodies, fluorochrome and biotin conjugates, and mouse IgG subclasses, please see our catalog.

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Approved by: *John Huang, PhD*
Quality Control Manager

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