



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

**GOAT IGG FRACTION TO  
HUMAN IGM (5Fc  $\mu$ ) - 5ML**

**Catalog #: 55017**

**Lot #: 06463**

Total Protein: 7.8 mg/ml  
Antibody Protein: 3.5 mg/ml

## DESCRIPTION:

Product is the lyophilized powder of goat IgG fraction to human IgM (5Fc  $\mu$ ) and buffer salts.

The IgG fraction is prepared from the specific goat antiserum by delipidation, ammonium sulfate fractionation and anion exchange chromatography. The resulting IgG fraction is dialyzed into 0.02M sodium phosphate, 0.14M sodium chloride, pH 7.3, 0.05% sodium azide, adjusted to standard titer, filtered through a 0.22  $\mu$ m filter, vialled and lyophilized.

## USES:

This product is suitable for use as a precipitating antibody. It gives sharp precipitin lines in immunoelectrophoresis and immunodiffusion techniques.

This product is suitable for conjugation with enzymes, radiolabels, fluorochromes or other markers, and for attachment to solid supports for use as an immunoabsorbant.

This product is suitable for use as a primary reagent in enzyme immunoassays, fluorescein immunoassays and blot, cell or tissue immunostaining. (Note: F(ab')<sub>2</sub> fragments are recommended for staining of cells or tissues which contain Fc receptors. Affinity purified antibodies are recommended to avoid non-specific binding from the 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 a standard. Antibody titer is standardized to an in-house standard by equivalence-point precipitation. Each IgG fraction is tested for purity and specificity at a minimum of 40 mg/ml using immunoelectrophoresis. The product is mostly goat IgG; no trace of albumin is detected. It shows reactivity to human IgM; cross-reactivity to other species may exist. Antibody activity to human IgG, IgA or non-immunoglobulin serum proteins is not present.

## RECONSTITUTION:

Reconstitute product with 5.0 ml of deionized or distilled water. Gentle swirling may be used to speed rehydration. Avoid vigorous shaking of the reconstituted material.

**STORAGE:**

Store lyophilized product at 2-8°C. For long term storage, aliquot and store reconstituted product frozen at -20°C or lower.

**WARNING AND CAUTION:**

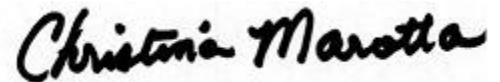
This product is intended **FOR RESEARCH USE ONLY**, not for use in diagnostic or therapeutic procedures involving humans or animals.

**RELATED PRODUCT ORDERING INFORMATION:**

Catalog # Description Size

55055 (03010201) F(AB')<sub>2</sub> GOAT ANTI-HUMAN IGM (5FC μ) 2ML  
55073 (06010201) AFF.PUR. GOAT ANTI-HUMAN IGM (5FC μ) 2MG  
55097 (01010201) GOAT ANTI-HUMAN IGM (5FC μ) 2ML  
55916 (60011590) PURIFIED HUMAN IGM 5MG

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



**Approved by:** *Christina Marotta*  
Quality Control Director

**TO PLACE AN ORDER IN THE U.S., PLEASE CALL 800-854-0530  
OR TO OBTAIN TECHNICAL ASSISTANCE IN THE U.S., PLEASE CALL 800-279-5490  
OUTSIDE THE U.S., CONTACT YOUR LOCAL DISTRIBUTOR.**