



**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

**PURIFIED HUMAN IGG**

**500MG**

**Catalog #: 55908**

**Lot #: 07531**

Total Protein: 64.3 mg/ml

Volume: 8.20 ml

## **DESCRIPTION:**

Product is the lyophilized powder of human IgG and buffer salts.

Human IgG is purified from pooled human serum using multi-step procedures which may include salt fractionation, gel filtration, ion-exchange chromatography and immunoabsorption. The product is dialyzed into 0.01M sodium phosphate, 0.07M sodium chloride, pH 7.3, filtered through a 0.22  $\mu$ m filter, vialled and lyophilized from a 8.43 ml solution. No preservative has been added.

## **USES:**

This product is suitable for use as a positive control in antibody identification screening techniques, and is recommended as an ELISA coating antigen and control.

See **Related Product Ordering Information**.

## **SPECIFICATIONS:**

The product is tested for purity at a minimum of 20 mg/ml using immunoelectrophoresis. The product is human IgG; no trace of IgA, IgM or non-immunoglobulin serum proteins is detected.

The total protein is determined using the Biuret procedure, with bovine albumin as the standard. Each vial is overfilled by approximately 5 percent so that a minimum of 500 mg of human IgG is obtained upon reconstitution.

## **EXPIRATION DATE:**

5/31/2022

## **PURITY:**

Greater than 98% by SDS-PAGE

## **RECONSTITUTION:**

This product can be reconstituted to 10 - 25 mg/ml, as desired. Sterile water or 0.01M sodium phosphate, 0.07M sodium chloride, pH 7.3 can be used. Gentle swirling may be used to speed rehydration. Avoid vigorous shaking of the reconstituted material.

## **STORAGE:**

Store unopened product at 2-8°C. Store reconstituted material no longer than a few days at 2-8°C unless sodium azide is added. For long-term storage, aliquot and freeze 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.


**All blood products should be treated as potentially infectious. Source material from which this product was derived was found negative when tested in accordance with current FDA required tests. No known test methods can offer assurance that products derived from human blood will not transmit infectious agents.**

**RELATED PRODUCT ORDERING INFORMATION:**

Catalog #   Description   Size

55087	GOAT ANTI-HUMAN IGG (WHOLE MOLECULE)	2ML
55088	RABBIT ANTI-HUMAN IGG (WHOLE MOLECULE)	2ML
55007	IGG GOAT ANTI-HUMAN IGG (WHOLE MOLECULE)	5ML
55008	IGG RABBIT ANTI-HUMAN IGG (WHOLE MOLECULE)	5ML
55009	IGG SHEEP ANTI-HUMAN IGG (WHOLE MOLECULE)	5ML
55049	F(AB') <sub>2</sub> GOAT ANTI-HUMAN IGG (WHOLE MOLECULE)	2ML
55050	F(AB') <sub>2</sub> RABBIT ANTI-HUMAN IGG (WHOLE MOLECULE)	2ML
55067	FAB GOAT ANTI-HUMAN IGG (WHOLE MOLECULE)	5ML
55070	AFF.PUR. GOAT ANTI-HUMAN IGG (WHOLE MOLECULE)	2MG
55075	AFF.PUR. F(AB') <sub>2</sub> GOAT ANTI-HUMAN IGG (WM)	2MG
59394	SHEEP ANTI-HUMAN IGG1	1ML
59395	SHEEP ANTI-HUMAN IGG2	1ML
59396	SHEEP ANTI-HUMAN IGG3	1ML
59397	SHEEP ANTI-HUMAN IGG4	1ML
59398	PURIFIED MOUSE MONOCLONAL ANTI-HUMAN IGG1	1MG
59399	PURIFIED MOUSE MONOCLONAL ANTI-HUMAN IGG2	1MG
59400	PURIFIED MOUSE MONOCLONAL ANTI-HUMAN IGG3	1MG
59401	PURIFIED MOUSE MONOCLONAL ANTI-HUMAN IGG4	1MG

**For other purified proteins, unconjugated antibodies, fluorochrome, enzyme and biotin conjugated antibodies, and peroxidase substrates, please see our catalog.**

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

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.