



## HUMAN IgA whole molecule (BULK ORDER) - 009-0106

**Code:** 009-0106

**Size:** 2 mg

**Product Description:** HUMAN IgA whole molecule (BULK ORDER) - 009-0106

**Concentration:** 1.48 mg/mL by UV absorbance at 280 nm

**PhysicalState:** Liquid (sterile filtered)

<b>Label</b>	Unconjugated
<b>Buffer</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Stabilizer</b>	None
<b>Preservative</b>	0.01% (w/v) Sodium Azide
<b>Storage Condition</b>	Store vial at 4° C prior to opening. This product is stable 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage mix with an equal volume of glycerol, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing.
<b>Synonyms</b>	Human Immunoglobulin A
<b>Application Note</b>	Human IgA whole molecule can be utilized as a control or standard reagent in SDS, Western Blotting and ELISA experiments.
<b>Background</b>	Immunoglobulin A is the primary responder in mucosal immunity, and comprises close to 75% of the total immunoglobulin produced. IgA can also be secreted and is protected from degradation by many proteolytic enzymes (which allows it to be secreted along the gastrointestinal tract). Immunoglobulin A only weakly activates the complement system and is not readily opsonized.
<b>Purity And Specificity</b>	Human IgA whole molecule was prepared from human serum by a multi-step process which includes delipidation, selective precipitation and tandem molecular sieve chromatography followed by extensive dialysis against the buffer stated above. Human IgA whole molecule was assayed by immunoelectrophoresis resulted in a single precipitin arc against anti-Human Serum and anti-Human IgA (a chain specific). No reaction was observed against anti-Human IgG F(c). Some light chain cross reactivity will occur with anti-Human IgG.
<b>Assay Dilutions</b>	User Optimized
<b>ELISA</b>	User Optimized
<b>Western Blot</b>	User Optimized
<b>Immunohistochemistry</b>	User Optimized
<b>Other Assays</b>	User Optimized
<b>Expiration</b>	Expiration date is one (1) year from date of opening.

### Related Products

009-0306	HUMAN IgA whole molecule Peroxidase conjugated - 009-0306
017-0102	MONKEY IgG whole molecule - 017-0102
609-1006	Anti-HUMAN IgA (alpha chain) (GOAT) Antibody Rhodamine Conjugated - 609-1006
609-4106	Anti-HUMAN IgA (alpha chain) (RABBIT) Antibody - 609-4106

### Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.