

**Certificate of Analysis**

**Product:** Affinity Purified Anti-apoLipoprotein A-I (Human) [Goat] Minimum Cross-Reactivity to Type A-II, B, C-I, C-II, C-III, E and J apoLipoproteins

**Code:** 600-101-109

**Lot #** 19698

**Size:** 1.0 mg

**Physical State:** Liquid (sterile filtered)

**Antibody Concentration:** 1.0 mg/ml (by UV absorbance at 280 nm)

**Buffer:** 0.125M Sodium Borate, 0.075M Sodium Chloride, 0.005M EDTA; pH 8.0

**Stabilizer:** None

**Preservative:** 0.01% (w/v) Sodium Azide

**Application(s):** Anti-apoLipoprotein antibodies have been used for indirect trapping ELISA for quantitation of antigen in serum using a standard curve, for immunoprecipitation and for western blotting for highly sensitive qualitative analysis.

**Recommended Dilution(s):**

<b>ELISA</b>	1:10,000 - 1:20,000
<b>WESTERN BLOT</b>	1:5,000 - 1:10,000
<b>IMMUNOHISTOCHEMISTRY</b>	1:50 - 1:200
<b>OTHER APPLICATIONS</b>	User Optimized

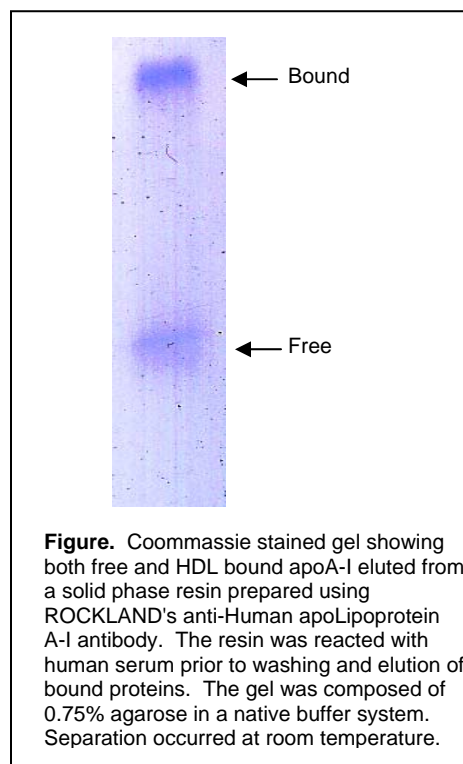
**Storage Conditions:** Store vial at 4° C prior to opening. This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage, mix with an equal volume of glycerol, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Expiration date is one (1) year from date of opening product.

**Purity and Specificity:** This product has been prepared by immunoaffinity chromatography using immobilized antigens followed by extensive cross-adsorption against other apoLipoproteins and human serum proteins to remove any unwanted specificities. Typically less than 1% cross-reactivity against other types of apoLipoprotein was detected by ELISA against purified standards. This antibody reacts with human apoLipoprotein A-I and has negligible cross-reactivity with Type A-II, B, C-I, C-II, C-III, E and J apoLipoproteins. Specific cross-reaction of anti-apoLipoprotein antibodies with antigens from other species has not been determined. Non-specific cross-reaction of anti-apoLipoprotein antibodies with other human serum proteins is negligible.

**Immunogen:** apoLipoprotein Type A-I was isolated from human plasma by density gradient centrifugation followed by HPLC purification.

**USDA Certification:** 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.

**Note:** 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.



**Figure.** Coomassie stained gel showing both free and HDL bound apoA-I eluted from a solid phase resin prepared using ROCKLAND's anti-Human apoLipoprotein A-I antibody. The resin was reacted with human serum prior to washing and elution of bound proteins. The gel was composed of 0.75% agarose in a native buffer system. Separation occurred at room temperature.