

## Product Specification Sheet

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

**Code:** 600-101-110

**Lot #** 13160

**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):** This product was assayed by immunoblot and found to be reactive against apoLipoprotein A-II at a dilution of 1:5,000 to 1:10,000. This product was also assayed against 1.0 µg of apoLipoprotein A-II in a standard sandwich ELISA using Peroxidase conjugated Affinity Purified anti-Goat IgG [H&L] (Rabbit) code #605-4302 and (ABTS (2,2'-azino-bis-[3-ethylbenthiiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:4,000 to 1:8,000 of the stock concentration is suggested for this product. For immunohistochemistry on paraffin embedded tissue dilute the product 1:50 to 1:200. Optimal titers for other applications should be determined by the researcher.

**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-II and has negligible cross-reactivity with Type A-I, 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-II was isolated from human plasma by density gradient centrifugation followed by HPLC purification.

**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.