

Rat apoprotein A1 ELISA Kit | Apo-A1 elisa kit

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CATALOG #
AAA83711

REACTIVITY
Rat

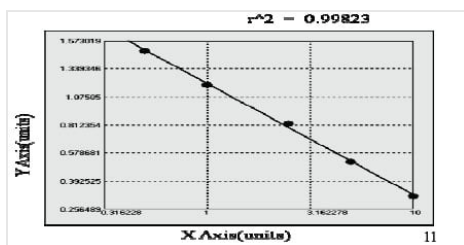
PRODUCT SYNONYMS

apoprotein A1; Rat apoprotein A1 ELISA Kit; apoprotein A1 (Rat); Apo-A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This AP-A1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat AP-A1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Apo-A1 elisa kit

Principle of the Assay: AP-A1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-AP-A1 antibody and an AP-A1-HRP conjugate. The assay sample and buffer are incubated together with AP-A1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the AP-A1 concentration since AP-A1 from samples and AP-A1-HRP conjugate compete for the anti-AP-A1 antibody binding site. Since the number of sites is limited, as more sites are occupied by AP-A1 from the sample, fewer sites are left to bind AP-A1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AP-A1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for Apo-A1 elisa kit

Rat ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557321
NCBI GeneID	335
NCBI Accession #	NP_000030.1
NCBI GenBank Nucleotide #	NM_000039.1
UniProt Accession #	P02647; Q6LDN9; Q6Q785; Q9UCS8; Q9UCT8; A8K866; Q6LEJ8; Q8TDB0; Q9Y355
Molecular Weight	30,778 Da
NCBI Official Full Name	apolipoprotein A-I preproprotein
NCBI Official Synonym Full Names	apolipoprotein A-I
NCBI Official Symbol	APOA1
NCBI Official Synonym Symbols	MGC117399
NCBI Protein Information	apolipoprotein A-I; apo-AI; apoA-I; OTTHUMP00000043268; OTTHUMP00000069346; OTTHUMP00000069347; OTTHUMP00000069348
UniProt Protein Name	Apolipoprotein A-I
UniProt Gene Name	APOA1
UniProt Entry Name	APOA1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/apo-a1-rat-elisa-kits/apoprotein-a1/83711>