

## Human APOA1 AccuSignal ELISA Kit - KOA0879

**Code:** KOA0879

**Size:** 1 Kit

**Product Description:** Human APOA1 AccuSignal ELISA Kit - KOA0879

**PhysicalState:**

<b>Label</b>	Unconjugated
<b>Gene Name</b>	APOA1
<b>Species Reactivity</b>	Human
<b>Storage Condition</b>	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
<b>Synonyms</b>	Apo AI, Apo-AI, ApoA I, ApoA-I, APOA1, Apolipoprotein A I, Apolipoprotein A-I, Apolipoprotein A1, Apolipoprotein AI, ApolipoproteinAI, Brp14
<b>Application Note</b>	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 200ng/ml, 100ng/ml, 50ng/ml, 25ng/ml, 12.5ng/ml, 6.25ng/ml, 3.12ng/ml human APOA1 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates, serum, plasma(heparin, EDTA) or urine to each empty well. It is recommended that each human APOA1 standard solution and each sample be measured in duplicate.
<b>Background</b>	Apolipoprotein A1 is a protein that in humans is encoded by the APOA1 gene. This gene encodes apolipoprotein A-I, which is the major protein component of high density lipoprotein (HDL) in plasma. The encoded preproprotein is proteolytically processed to generate the mature protein, which promotes cholesterol efflux from tissues to the liver for excretion, and is a cofactor for lecithin cholesterolacyltransferase (LCAT), an enzyme responsible for the formation of most plasma cholesteryl esters. This gene is closely linked with two other apolipoprotein genes on chromosome 11. Defects in this gene are associated with HDL deficiencies, including Tangier disease, and with systemic non-neuropathic amyloidosis. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein.
<b>Purity And Specificity</b>	Natural human APOA1. There is no detectable cross-reactivity with other relevant proteins.
<b>ELISA</b>	3.12ng/ml-200ng/ml
<b>Expiration</b>	See kit insert for complete instructions.
<b>Immunogen</b>	Expression system for standard: E.coli; Immunogen sequence: D25-Q267
<b>Anti-Coagulant</b>	Heparin Sodium

**Related Products**

MB-008	10X PBS pH 7.2 (0.2 M Potassium Phosphate 1.5 M Sodium Chloride) - MB-008
MB-012	10X TBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride) - MB-012
MB-013	10X TTBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride 0.1% (w/v) Tween-20) - MB-013
MB-075-1000	10X PBST (0.2 M Potassium Phosphate 1.5 M Sodium Chloride, 0.5% (v/v) Tween-20, pH 7.2) - MB-075-1000

**Related Links**

UniProtKB - P02647

<http://www.uniprot.org/uniprot/P02647>

 NCBI - [http://www.ncbi.nlm.nih.gov/protein/NP\\_000030.1](http://www.ncbi.nlm.nih.gov/protein/NP_000030.1)

GeneID - 335

<http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&term=335>

**Disclaimer**

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