

Human Alpha-1-Acid Glycoprotein (a1AGP) ELISA Kit | a1AGP elisa kit

Human Alpha-1-Acid Glycoprotein (a1AGP) High Sensitive ELISA Kit

CATALOG # AAA188519	REACTIVITY Human	APPLICATIONS ELISA
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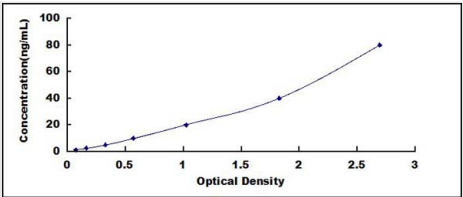
PRODUCT SYNONYMS

Alpha-1-Acid Glycoprotein (a1AGP); Human Alpha-1-Acid Glycoprotein (a1AGP) High Sensitive ELISA Kit; Alpha-1-Acid Glycoprotein; AGP1; a1-AGP; ORM1; OMD 1; Orosomucoid 1; a1AGP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of High Sensitive Alpha-1-Acid Glycoprotein (a1AGP). No significant cross-reactivity or interference between High Sensitive Alpha-1-Acid Glycoprotein (a1AGP) and analogues was observed.
Sequence Length	201
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	1.25-80ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.40ng/mL
Applicable Applications for a1AGP elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level High Sensitive Alpha-1-Acid Glycoprotein (a1AGP) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level High Sensitive Alpha-1-Acid Glycoprotein (a1AGP) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to High Sensitive Alpha-1-Acid Glycoprotein (a1AGP). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to High Sensitive Alpha-1-Acid Glycoprotein (a1AGP). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain High Sensitive Alpha-1-Acid Glycoprotein (a1AGP), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of High Sensitive Alpha-1-Acid Glycoprotein (a1AGP) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	112877
NCBI GeneID	5004
UniProt Accession #	P02763
NCBI Official Full Name	Alpha-1-acid glycoprotein 1
NCBI Official Synonym Full Names	orosomucoid 1
NCBI Official Symbol	ORM1
NCBI Official Synonym Symbols	ORM; AGP1; AGP-A; HEL-S-153w
NCBI Protein Information	alpha-1-acid glycoprotein 1
UniProt Protein Name	Alpha-1-acid glycoprotein 1
UniProt Gene Name	ORM1
UniProt Synonym Gene Names	AGP1; AGP 1; OMD 1
UniProt Entry Name	A1AG1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/alpha-1-acid-glycoprotein-a1agp/188519>