

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

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CATALOG #
AAA135945

REACTIVITY
Human

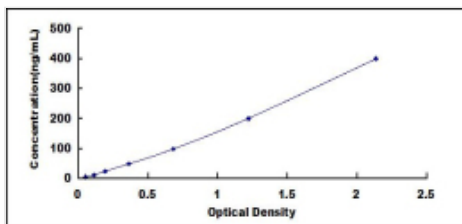
PRODUCT SYNONYMS

Alpha-1-Acid Glycoprotein (a1AGP); Human Alpha-1-Acid Glycoprotein (a1AGP) ELISA Kit; 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 Alpha-1-Acid Glycoprotein (a1AGP). No significant cross-reactivity or interference between 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	125-8,000ng/mL
Sensitivity	57ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level 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 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%
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)

ADDITIONAL INFORMATION

Related Product Information for a1AGP elisa kit	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 Alpha-1-Acid Glycoprotein (a1AGP). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to 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 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 Alpha-1-Acid Glycoprotein (a1AGP) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for a1AGP elisa kit	Infection immunity; Hepatology; Gastroenterology; Immunodeficiency

NCBI AND UNIPROT INFORMATION

NCBI GI #	178257
Molecular Weight	23,512 Da
NCBI Official Full Name	alpha-1 acid glycoprotein
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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/alpha-1-acid-glycoprotein-a1agp/135945>