

Human IgA1 ELISA Kit | IgA1 elisa kit

Human IgA1 (Immunoglobulin A1) ELISA Kit

CATALOG #
AAA163899

REACTIVITY
Human

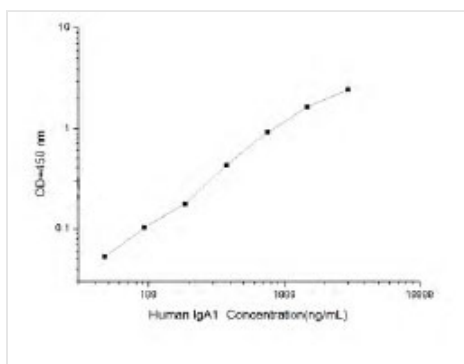
PRODUCT SYNONYMS

IgA1; Human IgA1 (Immunoglobulin A1) ELISA Kit; IgA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human IgA1 in samples. No significant cross-reactivity or interference between Human IgA1 and analogues was observed.
Sequence Length	1694
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	46.88-3000ng/mL
Sensitivity	28.13ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human IgA1 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Human IgA1 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IgA1 elisa kit	Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human IgA1. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human IgA1 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human IgA1, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The OD value is proportional to the concentration of Human IgA1. You can calculate the concentration of Human IgA1 in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human IgA1 concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	16272928
NCBI GeneID	950762
NCBI Accession #	NP_439153.1
NCBI GenBank Nucleotide #	NC_000907.1
UniProt Accession #	P44969
Molecular Weight	185,539 Da
NCBI Official Full Name	immunoglobulin A1 protease
NCBI Official Symbol	iga1
NCBI Protein Information	immunoglobulin A1 protease
UniProt Protein Name	Immunoglobulin A1 protease autotransporter
UniProt Gene Name	iga
UniProt Synonym Gene Names	iga1; IGA1 protease
UniProt Entry Name	IGA0_HAEIN

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/human-elisa-kits/iga1/163899>