

Human Alpha mannosidase 2 (MAN2A1) ELISA Kit | MAN2A1 elisa kit

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CATALOG #
AAA27132

REACTIVITY
Human

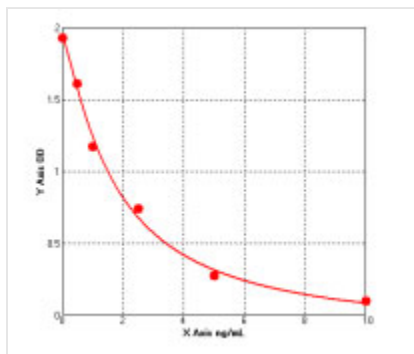
PRODUCT SYNONYMS

Alpha mannosidase 2 (MAN2A1); Human Alpha mannosidase 2 (MAN2A1) ELISA Kit; MAN2A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MAN2A. No significant cross-reactivity or interference between MAN2A and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MAN2A and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MAN2A1 elisa kit	Principle of the Assay: MAN2A ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-MAN2A antibody and an MAN2A-HRP conjugate. The assay sample and buffer are incubated together with MAN2A-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 MAN2A concentration since MAN2A from samples and MAN2A-HRP conjugate compete for the anti-MAN2A antibody binding site. Since the number of sites is limited, as more sites are occupied by MAN2A from the sample, fewer sites are left to bind MAN2A-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MAN2A concentration in each sample is interpolated from this standard curve. Intended Uses: This MAN2A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MAN2A. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	51477714
NCBI GeneID	4124
NCBI Accession #	NP_002363.2
NCBI GenBank Nucleotide #	NM_002372.3
Molecular Weight	131,141 Da
NCBI Official Full Name	alpha-mannosidase 2
NCBI Official Synonym Full Names	mannosidase, alpha, class 2A, member 1
NCBI Official Symbol	MAN2A1
NCBI Official Synonym Symbols	MANA2; MANII; GOLIM7; AMan II
NCBI Protein Information	alpha-mannosidase 2; Golgi alpha-mannosidase II; mannosidase, alpha type II; golgi integral membrane protein 7; mannosyl-oligosaccharide 1,3-1,6-alpha-mannosidase
UniProt Protein Name	Alpha-mannosidase 2
UniProt Gene Name	MAN2A1
UniProt Synonym Gene Names	MANA2; AMan II; Man II
UniProt Entry Name	MA2A1_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.