

Human Alpha mannosidase 2x (MAN2A2) ELISA Kit | MAN2A2 elisa kit

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CATALOG #
AAA245931

REACTIVITY
Human

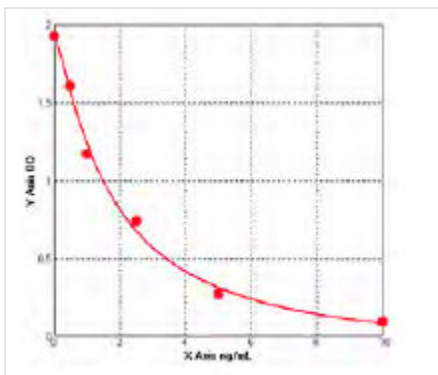
PRODUCT SYNONYMS

Alpha mannosidase 2x (MAN2A2); Human Alpha mannosidase 2x (MAN2A2) ELISA Kit; MAN2A2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MAN2A2. No significant cross-reactivity or interference between MAN2A2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MAN2A2 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
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 MAN2A2 elisa kit	Intended Uses: This MAN2A2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of HumanMAN2A2. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: MAN2A2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-MAN2A2 antibody and an MAN2A2-HRP conjugate. The assay sample and buffer are incubated together with MAN2A2-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 MAN2A2 concentration since MAN2A2 from samples and MAN2A2-HRP conjugate compete for the anti-MAN2A2 antibody binding site. Since the number of sites is limited, as more sites are occupied by MAN2A2 from the sample, fewer sites are left to bind MAN2A2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MAN2A2 concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	51477716
NCBI GeneID	4122
NCBI Accession #	NP_006113.2
NCBI GenBank Nucleotide #	NM_006122.2
Molecular Weight	91,059 Da
NCBI Official Full Name	alpha-mannosidase 2x
NCBI Official Synonym Full Names	mannosidase, alpha, class 2A, member 2
NCBI Official Symbol	MAN2A2
NCBI Official Synonym Symbols	MANA2X
NCBI Protein Information	alpha-mannosidase 2x; MAN IIx; alpha-mannosidase IIx; mannosidase, alpha type II-X; manosidase, alpha-, type II, isozyme X; mannosyl-oligosaccharide 1,3-1,6-alpha-mannosidase
UniProt Protein Name	Alpha-mannosidase 2x
UniProt Gene Name	MAN2A2
UniProt Synonym Gene Names	MANA2X; Man IIx
UniProt Entry Name	MA2A2_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://stage.aaabiotech.com/human-elisa-kits/alpha-mannosidase-2x-man2a2/245931>