

Human Mannosyl-Oligosaccharide 1, 2-alpha-Mannosidase IA (MAN1A1) ELISA Kit | MAN1A1 elisa kit

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CATALOG #
AAA331897

REACTIVITY
Human

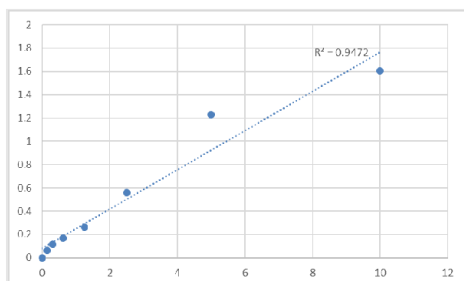
PRODUCT SYNONYMS

Mannosyl-Oligosaccharide 1; 2-alpha-Mannosidase IA (MAN1A1); Human Mannosyl-Oligosaccharide 1; 2-alpha-Mannosidase IA (MAN1A1) ELISA Kit; MAN1A1; HUMM3; HUMM9; MAN9; Man9-mannosidase; alpha-1; 2-mannosidase IA; mannosyl-oligosaccharide 1; 2-alpha-mannosidase IA; MAN1A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Mannosyl-oligosaccharide 1,2-alpha-mannosidase IA (MAN1A1) ELISA Kit has high sensitivity and excellent specificity for detection of Human MAN1A1. No significant cross-reactivity or interference between Human MAN1A1 and analogues was observed.
Sequence Length	653
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Mannosyl-oligosaccharide 1,2-alpha-mannosidase IA (MAN1A1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MAN1A1 elisa kit	Description: This Human Mannosyl-oligosaccharide 1,2-alpha-mannosidase IA (MAN1A1) ELISA Kit employs a two-site sandwich ELISA to quantitate MAN1A1 in samples. An antibody specific for MAN1A1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MAN1A1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MAN1A1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MAN1A1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MAN1A1 encodes a class I mammalian Golgi 1,2-mannosidase which is a type II transmembrane protein. This protein catalyzes the removal of 3 distinct mannose residues from peptide-bound Man(9)-GlcNAc(2) oligosaccharides and belongs to family 47 of glycosyl hydrolases. Using an oligonucleotide probe derived from a pig liver Man(9)-mannosidase-specific cDNA template, Bause et al. (1993) isolated Man(9)-mannosidase from a human kidney cDNA library. The full-length cDNA predicted a 625-amino acid protein with a calculated molecular mass of 71 kD. Man(9)-mannosidase is a type II transmembrane protein with a short cytoplasmic polypeptide tail, a single transmembrane domain acting as a noncleavable signal sequence, a large luminal catalytic domain, and 3 potential N-glycosylation sites.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	62906886
NCBI GeneID	4121
UniProt Accession #	P33908
NCBI Official Full Name	Mannosyl-oligosaccharide 1,2-alpha-mannosidase IA
NCBI Official Synonym Full Names	mannosidase alpha class 1A member 1
NCBI Official Symbol	MAN1A1
NCBI Official Synonym Symbols	MAN9; HUMM3; HUMM9
NCBI Protein Information	mannosyl-oligosaccharide 1,2-alpha-mannosidase IA
UniProt Protein Name	Mannosyl-oligosaccharide 1,2-alpha-mannosidase IA
UniProt Gene Name	MAN1A1
UniProt Synonym Gene Names	Man9-mannosidase
UniProt Entry Name	MA1A1_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/mannosyl-oligosaccharide-1-2-alpha-mannosidase-ia-man1a1/331897>