

Human Mannosidase Alpha Class 2B Member 1 (MAN2B1) ELISA Kit | MAN2B1 elisa kit

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CATALOG #
AAA68050

REACTIVITY
Human

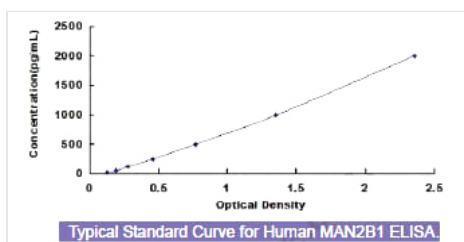
PRODUCT SYNONYMS

Mannosidase Alpha Class 2B Member 1 (MAN2B1); Human Mannosidase Alpha Class 2B Member 1 (MAN2B1) ELISA Kit; MAN2B1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MAN2B1. No significant cross-reactivity or interference between MAN2B1 and analogues was observed.
Sequence Length	1,010
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	31.25-2000pg/mL
Sensitivity	14.7pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MAN2B1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MAN2B1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MAN2B1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MAN2B1 in human serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MAN2B1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to MAN2B1. 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 MAN2B1, 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 MAN2B1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	51873064
NCBI GeneID	4125
NCBI Accession #	NP_000519.2
NCBI GenBank Nucleotide #	NM_000528.3
UniProt Accession #	O00754; O15330; Q16680; Q93094; Q9BW13; G5E928
Molecular Weight	113,616 Da
NCBI Official Full Name	lysosomal alpha-mannosidase isoform 1
NCBI Official Synonym Full Names	mannosidase alpha class 2B member 1
NCBI Official Symbol	MAN2B1
NCBI Official Synonym Symbols	MANB; LAMAN
NCBI Protein Information	lysosomal alpha-mannosidase
UniProt Protein Name	Lysosomal alpha-mannosidase
UniProt Gene Name	MAN2B1
UniProt Synonym Gene Names	LAMAN; MANB; Laman

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/mannosidase-alpha-class-2b-member-1-man2b1/68050>