

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

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CATALOG # AAA129614	REACTIVITY Human
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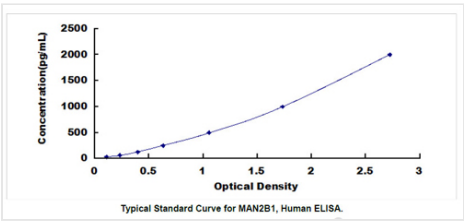
PRODUCT SYNONYMS

Mannosidase Alpha Class 2B Member 1 (MAN2B1); Human Mannosidase Alpha Class 2B Member 1 (MAN2B1) ELISA Kit; MANB; LAMAN; Lysosomal alpha-mannosidase; Lysosomal acid alpha-mannosidase; Mannosidase alpha-B; MAN2B1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Mannosidase Alpha Class 2B Member 1 (MAN2B1). No significant cross-reactivity or interference between Mannosidase Alpha Class 2B Member 1 (MAN2B1) and analogues was observed.
Sequence Length	1010
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	31.25-2000pg/mL
Sensitivity	14.7pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Mannosidase Alpha Class 2B Member 1 (MAN2B1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Mannosidase Alpha Class 2B Member 1 (MAN2B1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MAN2B1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Mannosidase Alpha Class 2B Member 1 (MAN2B1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Mannosidase Alpha Class 2B Member 1 (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 Mannosidase Alpha Class 2B Member 1 (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 Mannosidase Alpha Class 2B Member 1 (MAN2B1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for MAN2B1 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	119604685
NCBI GeneID	4125
UniProt Accession #	O00754; O15330; Q16680; Q93094; Q9BW13; G5E928
Molecular Weight	113,616 Da
NCBI Official Full Name	mannosidase, alpha, class 2B, member 1, isoform CRA_a
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
UniProt Entry Name	MA2B1_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.