

Mouse alpha-Mannosidase ELISA Kit | MAN2B1 elisa kit

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CATALOG #
AAA247352

REACTIVITY
Mouse

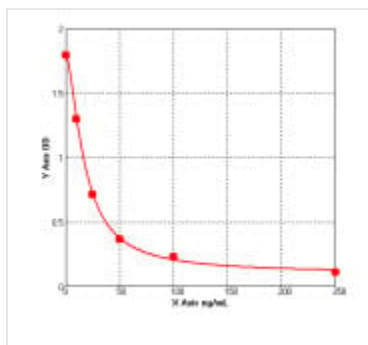
PRODUCT SYNONYMS

alpha-Mannosidase; Mouse alpha-Mannosidase ELISA Kit; MAN2B1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of MANalpha. No significant cross-reactivity or interference between MANalpha and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MANalpha and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	987
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Reactivity Note	No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.
Preparation and Storage	Store at 2-8 degree C. 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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MAN2B1 elisa kit	Principle of the Assay: MANalpha ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-MANalpha antibody and an MANalpha-HRP conjugate. The assay sample and buffer are incubated together with MANalpha-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 MANalpha concentration since MANalpha from samples and MANalpha-HRP conjugate compete for the anti-MANalpha antibody binding site. Since the number of sites is limited, as more sites are occupied by MANalpha from the sample, fewer sites are left to bind MANalpha-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MANalpha concentration in each sample is interpolated from this standard curve. Intended Uses: This MANalpha ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse MANalpha. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for MAN2B1 elisa kit	Signal Transduction; Metabolism; Tags & Cell Markers

NCBI AND UNIPROT INFORMATION

NCBI GI #	1419374
NCBI GeneID	4125
Molecular Weight	113,616 Da
NCBI Official Full Name	alpha-mannosidase
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/mouse-elisa-kits/alpha-mannosidase/247352>