

Human Mannose-6-Phosphate Receptor (M6PR) ELISA Kit | M6PR elisa kit

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CATALOG #
AAA140688

REACTIVITY
Human

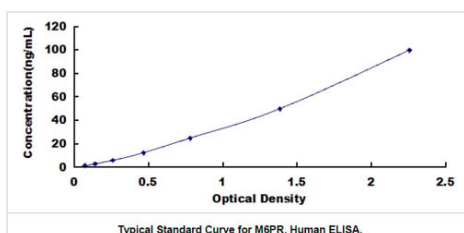
PRODUCT SYNONYMS

Mannose-6-Phosphate Receptor (M6PR); Human Mannose-6-Phosphate Receptor (M6PR) ELISA Kit; SMPR; MPR46; MPRD; Cation Dependent Mannose 6-Phosphate Receptor; 46 kDa mannose 6-phosphate receptor; M6PR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Mannose-6-Phosphate Receptor (M6PR). No significant cross-reactivity or interference between Mannose-6-Phosphate Receptor (M6PR) and analogues was observed.
Sequence Length	2491
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.062ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Mannose-6-Phosphate Receptor (M6PR) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Mannose-6-Phosphate Receptor (M6PR) 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 M6PR 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 Mannose-6-Phosphate Receptor (M6PR). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Mannose-6-Phosphate Receptor (M6PR). 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 Mannose-6-Phosphate Receptor (M6PR), 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 Mannose-6-Phosphate Receptor (M6PR) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for M6PR elisa kit	CD & Adhesion molecule

NCBI AND UNIPROT INFORMATION

NCBI GI #	188672
NCBI GeneID	3482
Molecular Weight	274,375 Da
NCBI Official Full Name	mannose 6-phosphate receptor
NCBI Official Synonym Full Names	insulin-like growth factor 2 receptor
NCBI Official Symbol	IGF2R
NCBI Official Synonym Symbols	MPR1; MPRI; CD222; CIMPR; M6P-R
NCBI Protein Information	cation-independent mannose-6-phosphate receptor
UniProt Protein Name	Cation-independent mannose-6-phosphate receptor
UniProt Gene Name	IGF2R
UniProt Synonym Gene Names	MPRI; CI Man-6-P receptor; CI-MPR; M6PR; MPR 300; IGF-II receptor; M6P/IGF2R
UniProt Entry Name	MPRI_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/mannose-6-phosphate-receptor-m6pr/140688>