BT LAB
Bioassay Technology Laboratory
Optimize Your Research

M6PR Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4690
Host	Mouse
Isotype	Mouse IgG2b
Size	100μL, 50μL
Immunogen	Purified recombinant fragment of human M6PR (AA: 124-277) expressed in E. Coli.
Mol wt	30.9kDa
Species reactivity	Others
Clonality	Monoclonal
Recommended application	WB,IHC,FCM
Concentration	N/A
Full name	N/A
Synonyms	SMPR;MPR46;CD-MPR;MPR 46;MPR-46;CD-M6PR

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

This gene encodes a member of the P-type lectin family. P-type lectins play a critical role in lysosome function through the specific transport of mannose-6-phosphate-containing acid hydrolases from the Golgi complex to lysosomes. The encoded protein functions as a homodimer and requires divalent cations for ligand binding. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. A pseudogene of this gene is located on the long arm of chromosome X.

Recommended Dilution

WB: 1:500 - 1:2000

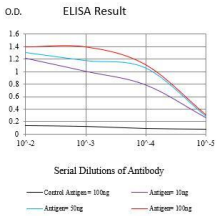
IHC-p: 1:200 - 1:1000

FCM: 1:200 - 1:400

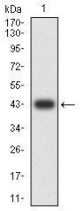
ELISA: 1:10000

Not yet tested in other applications.

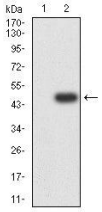
Images



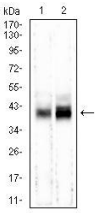
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



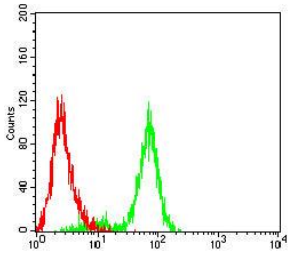
Western blot analysis using M6PR mAb against human M6PR (AA: 124-277) recombinant protein. (Expected MW is 43 kDa)



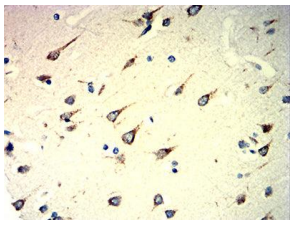
Western blot analysis using M6PR mAb against HEK293-6e (1) and M6PR (AA: 124-277)-hIgGFc transfected HEK293-6e (2) cell lysate.



Western blot analysis using M6PR mouse mAb against mouse brain (1) and HepG2 (2) cell lysate.



Flow cytometric analysis of Jurkat cells using M6PR mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human brain tissues using M6PR mouse mAb with DAB staining.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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