

## M6PR Monoclonal Antibody

### Description

<b>Product type</b>	Antibody
<b>Code</b>	BT-MCA2419
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1
<b>Size</b>	100μL, 50μL
<b>Immunogen</b>	Purified recombinant fragment of human M6PR (AA: 27-277) expressed in E. Coli.
<b>Mol wt</b>	31kDa
<b>Species reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	IHC,ICC,FCM
<b>Concentration</b>	N/A
<b>Full name</b>	N/A
<b>Synonyms</b>	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

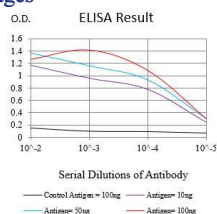
ICC: 1:50 - 1:200

FCM: 1:200 - 1:400

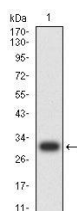
ELISA: 1:10000

Not yet tested in other applications.

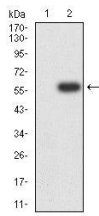
### Images



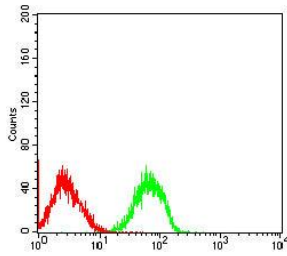
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



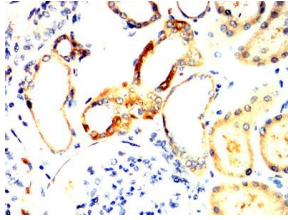
Western blot analysis using M6PR mAb against human M6PR (AA: 27-277) recombinant protein. (Expected MW is 30.8 kDa)



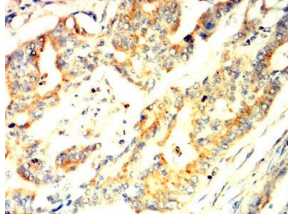
Western blot analysis using M6PR mAb against HEK293-6e (1) and M6PR (AA:27-277)-hIgGFc transfected HEK293-6e (2) cell lysate.



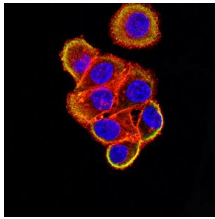
Flow cytometric analysis of Jurkat cells using M6PR mouse mAb (green) and negative control (red).



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



Immunohistochemical analysis of paraffin-embedded rectum cancer tissues using M6PR mouse mAb with DAB staining.



Immunofluorescence analysis of HeLa cells using M6PR mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

### Storage

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

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