


Product datasheet

Biotin Anti-M6PR (cation independent) antibody [MEM-238] ab239242

1 Image

Overview

Product name	Biotin Anti-M6PR (cation independent) antibody [MEM-238]
Description	Biotin Mouse monoclonal [MEM-238] to M6PR (cation independent)
Host species	Mouse
Conjugation	Biotin
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human Predicted to work with: Non human primates 
Immunogen	Tissue, cells or virus corresponding to M6PR (cation independent). (Recombinant Vaccinia virus encoding M6PR (cation independent)).
Epitope	Between amino acids 192-697.
Positive control	Flow Cyt: Human peripheral blood.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. Store In the Dark.
Storage buffer	pH: 7.40 Preservative: 0.0975% Sodium azide Constituent: PBS
Purity	Size exclusion
Purification notes	Purified antibody is conjugated with Biotin-LC-NHS under optimum conditions. The reagent is

	free of unconjugated biotin.
Clonality	Monoclonal
Clone number	MEM-238
Isotype	IgG1

Applications

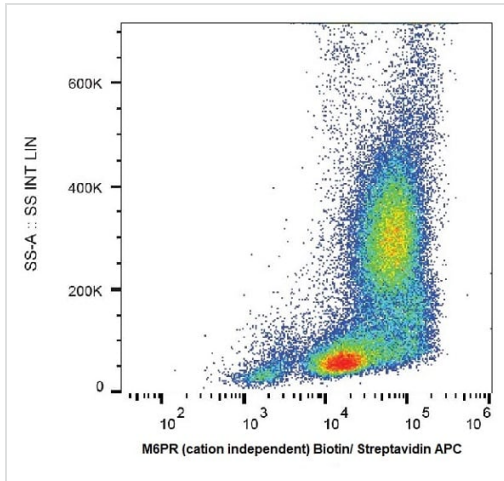
The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab239242 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use a concentration of 2 - 6 µg/ml.

Target

Function	Transport of phosphorylated lysosomal enzymes from the Golgi complex and the cell surface to lysosomes. Lysosomal enzymes bearing phosphomannosyl residues bind specifically to mannose-6-phosphate receptors in the Golgi apparatus and the resulting receptor-ligand complex is transported to an acidic prelysosomal compartment where the low pH mediates the dissociation of the complex. This receptor also binds IGF2. Acts as a positive regulator of T-cell coactivation, by binding DPP4.
Sequence similarities	Belongs to the MRL1/IGF2R family. Contains 1 fibronectin type-II domain.
Domain	Contains 15 repeating units of approximately 147 AA harboring four disulfide bonds each. The most highly conserved region within the repeat consists of a stretch of 13 AA that contains cysteines at both ends.
Cellular localization	Lysosome membrane. Colocalized with DPP4 in internalized cytoplasmic vesicles adjacent to the cell surface.

Images



Flow Cytometry - Biotin Anti-M6PR (cation independent) antibody [MEM-238] (ab239242)

Flow cytometric analysis of human peripheral blood labeling M6PR (cation independent) with ab239242 at 2 µg/ml followed by streptavidin-APC. Surface staining. Gated on leukocytes and platelets.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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