

Product datasheet for **AM50329PU-S**

M6PR Mouse Monoclonal Antibody [Clone ID: AT2B4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AT2B4
Applications:	ELISA, WB
Recommended Dilution:	The antibody has been tested by ELISA, Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended starting dilution is 1:500
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant human M6PR (27-185aa) purified from E. coli.
Specificity:	This antibody recognizes Human M6PR. Other species not tested.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-A affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	mannose-6-phosphate receptor, cation dependent
Database Link:	Entrez Gene 4074 Human P20645



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Background:	Mannose 6 Phosphate Receptor (Cation dependent) transports 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.
Synonyms:	46 kDa mannose 6-phosphate receptor, MPR46, MPRD, CD Man-6-P receptor, CD-MPR
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Lysosome