

Product datasheet for **AM32023SU-N**

MRP4 (ABCC4) Rat Monoclonal Antibody [Clone ID: M4I-10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	M4I-10
Applications:	IF, IHC, WB
Recommended Dilution:	Western blotting: Use at 1/20-1/50 dilution and anti-Rat-HRP. Immunocytochemistry: Use at 1/20 on Acetone Fixed Cytospin preparations. Immunohistochemistry on Frozen Sections: 1/20 on Acetone Fixed Frozen sections can be followed by incubation with Biotin conjugated Rabbit anti-Rat IgG (1/100) and and HRP-labeled Streptavidin (1/ 500).
Reactivity:	Human
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	A fusion protein containing the <i>E. coli</i> maltose binding protein and a fragment of the human MRP4 protein corresponding to amino acids 372-431.
Specificity:	This Monoclonal antibody <i>clone</i> M4I-10 recognizes MRP4/ABCC4. The M4I-10 Mab also reacts with the Mouse orthologue of the transporter molecule (Mrp4).
Formulation:	State: Supernatant State: Serum Free Culture Supernatant Stabilizer: 0.7% BSA Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	ATP binding cassette subfamily C member 4
Database Link:	Entrez Gene 10257 Human O15439



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Background:

ABCC4 is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC proteins are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MRP subfamily which is involved in multi-drug resistance. The specific function of this protein has not yet been determined; however, this protein may play a role in cellular detoxification as a pump for its substrate, organic anions.

Synonyms:

Multidrug resistance-associated protein 4, MOAT-B