

## Product datasheet for **AM31988SU-N**

### MRP5 (ABCC5) Rat Monoclonal Antibody [Clone ID: M5I-10]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	M5I-10
Applications:	IF, IHC, WB
Recommended Dilution:	<b>Western blotting:</b> Use at 1/20-1/50 and anti-Rat-HRP. <b>Immunocytochemistry:</b> Use at 1/20-1/50 on Acetone Fixed Cytospin preparations. <b>Immunohistochemistry on Frozen Sections:</b> 1/20 on Acetone Fixed Frozen sections can be followed by incubation with Rabbit anti-Rat Ig (1/25) and a monoclonal Rat APAAP complex (1/50). Alternatively, after incubation with M5I-10 (use 1/20) and washing, slides can be incubated with biotinylated Rabbit anti-Rat Ig (1/100) and streptavidin conjugated to horseradish peroxidase (1/500).
Reactivity:	Human
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	A bacterial fusion protein of Mouse Mrp5, containing amino acids 1-38 of the protein.
Specificity:	This Monoclonal antibody M5I-10 reacts with an internal epitope of MRP5 (ABCC5), an approximately 160 kD transmembrane protein that is related to the multidrug resistance protein MRP1. It also strongly reacts with the Human MRP5 protein.
Formulation:	State: Supernatant State: Serum Free Culture Supernatant Stabilizer: 0.7% BSA Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	ATP binding cassette subfamily C member 5



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**Database Link:** [Entrez Gene 10057 Human O15440](#)

**Background:** MRP5 (190-200 kDa) is closely related to MRP4, both lacking the first five membrane spanning regions. MRP5 is a GS-X multi specific organic anion pump (nucleotide analogs). MRP5 may transport DNP-GS and may be inhibited by certain inhibitors of organic anion transport (sulfipyrazone). MRP5 may also transport organic anions with the anionic moiety of phosphate/phosphonate group, a function which provides the ability to resist against anti cancer drugs 6-MP and thioguanine as well as the anti-HIV drug PMEA.

**Synonyms:** Multidrug resistance-associated protein 5, pABC11, SMRP, MOAT-C