

Product datasheet for **AM31987SU-N**

ABCC10 Rat Monoclonal Antibody [Clone ID: M7I-3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	M7I-3
Applications:	IF, IHC, WB
Recommended Dilution:	Western blotting: Use at 1/20-1/50 and anti-Rat-HRP. Immunocytochemistry: Use at 1/20-1/50 on Acetone Fixed Cytospin preparations. Immunohistochemistry on Frozen Sections: 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 M7I-3 (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:	IgG
Clonality:	Monoclonal
Immunogen:	A bacterial fusion protein of Human MRP7, containing amino acids 194-272 of the protein.
Specificity:	This Monoclonal antibody M7I-3 reacts with an internal epitope of MRP7 (ABCC10), an approximately 160 kD transmembrane protein that is related to the multidrug resistance protein MRP1. M7I-3 has potential value for the detection of MRP7-mediated drug-resistance in Human tumor samples.
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 10



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Database Link: [Entrez Gene 89845 Human Q5T3U5](#)

Background: The MRP family is represented by nine similar ABC transporters that have the ability to transport structurally diverse lipophilic anions and operate as chemical efflux pumps. MRP7 (multidrug resistance-associated protein 7, ATPbinding cassette sub-family C member 10) is a multi-pass membrane protein that belongs to the ABC transporter family (conjugate transporter subfamily). MRP7 is involved with the ATP-dependent transport of 17 β -estradiol-D-17- β -glucuronide (E217 β G). MRP7 is also probably involved in cellular detoxification through its lipophilic anion extrusion capabilities. MRP7 contains two ABC transmembrane type 1 domains and two ABC transporter domains. MRP7 likely has three isoforms. Isoform 2 is the most widely expressed, while isoform 1 is predominately expressed in the spleen.

Synonyms: Multidrug resistance-associated protein 7, SIMRP7

Note: 1 ml vials >> 200 tests