

## Product datasheet for **AM31990SU-N**

### ABCC12 Rat Monoclonal Antibody [Clone ID: M9I-38]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	M9I-38
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 M9I-38 (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 MRP9, containing amino acids 1-42 of the protein.
Specificity:	This Monoclonal antibody M9I-38 reacts with an internal epitope of MRP9 (ABCC12), an approximately 150 kD transmembrane protein that is related to the multidrug resistance protein MRP1.
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 12



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**Database Link:** [Entrez Gene 94160 Human Q96J65](#)

**Background:** This gene is a member of the superfamily of ATP-binding cassette (ABC) transporters and the encoded protein contains two ATP-binding domains and 12 transmembrane regions. ABC proteins transport various molecules across extra- and intracellular membranes. ABC genes are divided into seven distinct subfamilies: ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, and White. This gene is a member of the MRP subfamily which is involved in multi-drug resistance. This gene and another subfamily member are arranged head-to-tail on chromosome 16q12.1. Increased expression of this gene is associated with breast cancer.

**Synonyms:** Multidrug resistance-associated protein 9