

Product datasheet for **AM32016SU-N**

MRP4 (ABCC4) Rat Monoclonal Antibody [Clone ID: M4I-80]

Product data:

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|-----------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | M4I-80 |
| Applications: | IF, IHC, WB |
| Recommended Dilution: | Western blotting: Use at 1/20-1/50 dilution 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 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-80 recognizes MRP4/ABCC4. The M4I-80 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 the antibody 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