

ABCC1 monoclonal antibody, clone QCRL-4

Catalog # MAB5158

Size

Specification

Product Description	Mouse monoclonal antibody raised against native ABCC1.
Immunogen	Native human small cell lung cancer cell line H69AR.
Host	Mouse
Reactivity	Human, Monkey, Mouse, Rat
Specificity	QCRL-4 reacts with a conformation-dependent internal epitope of MRP1, a 190 KDa trans-membrane phosphoglycoprotein overexpressed in various human multidrug resistant tumor cell lines. QCRL-4 inhibits the ATP-dependent transport activity of MRP1 in inside-out membrane vesicles and its epitope has been localized to the second nucleotide binding domain of MRP1 between amino acids 1294 and 1531. QCRL-4 does not cross-react with human MDR1 and MDR3 gene products.
Form	Liquid
Isotype	IgG1
Recommend Usage	Flow Cytometry (1:20-1:40) Dot Blot (1:10000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.7% BSA, 0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunocytochemistry
- Immunoprecipitation

- Dot Blot
- Flow Cytometry

Gene Info — ABCC1

Entrez GeneID	4363
Gene Name	ABCC1
Gene Alias	ABC29, ABCC, DKFZp686N04233, DKFZp781G125, GS-X, MRP, MRP1
Gene Description	ATP-binding cassette, sub-family C (CFTR/MRP), member 1
Omim ID	158343
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra-and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This full transporter is a member of the MRP subfamily which is involved in multi-drug resistance. This protein functions as a multispecific organic anion transporter, with oxidized glutathione, cysteinyl leukotrienes, and activated aflatoxin B1 as substrates. This protein also transports glucuronides and sulfate conjugates of steroid hormones and bile salts. Alternative splicing by exon deletion results in several splice variants but maintains the original open reading frame in all forms. [provided by RefSeq]
Other Designations	ATP-binding cassette, sub-family C, member 1 LTC4 transporter OTTHUMP00000045904 leukotriene C(4) transporter multidrug resistance protein multiple drug resistance protein 1 multiple drug resistance-associated protein

Pathway

- [ABC transporters](#)

Disease

- [Adenocarcinoma](#)
- [Arthritis](#)
- [Asthma](#)

- [Atherosclerosis](#)
- [Breast cancer](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cerebral Hemorrhage](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Cystadenocarcinoma](#)
- [Cystic fibrosis](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Heart Diseases](#)
- [HIV Seropositivity](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Multiple Myeloma](#)
- [Neutropenia](#)

- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Psoriasis](#)
- [Pulmonary Disease](#)
- [Recurrence](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)