ABCC11 Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	ABCC11, Blocking Peptide
Full Product Name	ABCC11 Blocking Peptide
Product Gene Name	ABCC11 blocking peptide
Product Synonym Names	ABCC 11; ATP binding cassette protein C11; ATP binding cassette sub family C (CFTR/MRP) member 11; ATP binding cassette sub family C member 11; ATP binding cassette transporter MRP8; ATP binding cassette transporter sub family C member 11; EWWD; MRP8; Multi resistance protein 8; Multidrug resistance associated protein 8; OTTHUMP00000164191; WW
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 10 mg/ml.
Purity/Purification	The purity is >90%,tested by HPLC and MS.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	ABCC11 peptide (MBS9628274) is used for blocking the activity of ABCC11 antibody (MBS9609570)
Molecular Weight	150,093 Da
OMIM	AY040219 mRNA
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Notes	For phospho antibody, we provide phospho peptide (0.5mg) and non-phospho peptide (0.5mg)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for ABCC11 blocking peptide	Blocking/Control
Related Product Information for ABCC11 blocking peptide	Blocking peptides are peptides that bind specifically to the target antibody and block antibody binding. These peptide usually contains the epitope recognized by the antibody. Antibodies bound to the blocking peptide no longer bind to the epitope on the target protein. This mechanism is useful when non-specific binding is an issue, for example, in Western blotting (immunoblot) and immunohistochemistry (IHC). By comparing the staining from the blocked antibody versus the antibody alone, one can see which staining is specific; Specific binding will be absent from the western blot or immunostaining performed with the neutralized antibody.
Other Notes	Small volumes of ABCC11 blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ABCC11 purchase	MBS9628274 is a blocking peptide targeting ABCC11.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ABCC11. It may not necessarily be applicable to this product.

NCBI GI #	21729873
NCBI GeneID	85320
NCBI Accession #	NP_115972.2
NCBI Related Accession #	NP_660187.1

UniProt Primary Accession #	Q96J66
UniProt Secondary Accession #	Q8TDJ0; Q96JA6; Q9BX80
UniProt Related Accession #	Q96J66
GenBank Nucleotide #	NM_032583.3
NCBI Official Full Name	ATP-binding cassette sub-family C member 11 isoform a
NCBI Official Synonym Full Names	ATP binding cassette subfamily C member 11
NCBI Official Symbol	ABCC11
NCBI Official Synonym Symbols	WW; EWWD; MRP8
UniProt Protein Name	ATP-binding cassette sub-family C member 11
UniProt Synonym Protein Names	Multidrug resistance-associated protein 8
Protein Family	ABC transporter C family
UniProt Gene Name	ABCC11
UniProt Synonym Gene Names	MRP8
NCBI Protein Information	ATP-binding cassette sub-family C member 11
NCBI Summary for ABCC11	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 ABC full transporter is a member of the MRP subfamily which is involved in multi-drug resistance. The product of this gene participates in physiological processes involving bile acids, conjugated steroids, and cyclic nucleotides. In addition, a SNP in this gene is responsible for determination of human earwax type. This gene and family member ABCC12 are determined to be derived by duplication and are both localized to chromosome 16q12.1. Multiple alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Jul 2008]
UniProt Comments for ABCC11	Participates in physiological processes involving bile acids, conjugated steroids and cyclic nucleotides. Enhances the cellular extrusion of cAMP and cGMP. Stimulates the ATP-dependent uptake of a range of physiological and synthetic lipophilic anions, including the glutathione S-conjugates leukotriene C4 and dinitrophenyl S-glutathione, steroid sulfates such as dehydroepiandrosterone 3-sulfate (DHEAS) and estrone 3-sulfate, glucuronides such as estradiol 17-beta-D-glucuronide (E217betaG), the monoanionic bile acids glycocholate and taurocholate, and methotrexate. Probably functions to secrete earwax.
Research Articles on ABCC11	**1.** MRP8 elevated serum levels in patients with Behcet's disease indicate MRP8 role in the pathogenetic mechanisms of Behcet's disease.
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