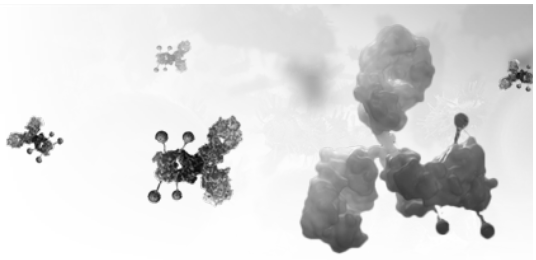

Human ABCC5 blocking peptide (CDBP1903)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-MRP5 antibody
Antigen Description	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 protein is a member of the MRP subfamily which is involved in multi-drug resistance. This protein functions in the cellular export of its substrate, cyclic nucleotides. This export contributes to the degradation of phosphodiesterases and possibly an elimination pathway for cyclic nucleotides. Studies show that this protein provides resistance to thiopurine anticancer drugs, 6-mercatopurine and thioguanine, and the anti-HIV drug 9-(2-phosphonylmethoxyethyl)adenine. This protein may be involved in resistance to thiopurines in acute lymphoblastic leukemia and antiretroviral nucleoside analogs in HIV-infected patients. Alternative splicing of this gene has been detected; however, the complete sequence and translation initiation site is unclear. [provided by RefSeq, Jul 2008]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

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Gene Name	ABCC5 ATP-binding cassette, sub-family C (CFTR/MRP), member 5 [Homo sapiens (human)]
Official Symbol	ABCC5
Synonyms	ABCC5; ATP-binding cassette, sub-family C (CFTR/MRP), member 5; MRP5; SMRP; ABC33; MOATC; MOAT-C; pABC11; EST277145; multidrug resistance-associated protein 5; ATP-binding cassette sub-family C member 5; multi-specific organic anion transporter C; canalicular multispecific organic anion transporter C;
Entrez Gene ID	10057
mRNA Refseq	NM_001023587.1
Protein Refseq	NP_001018881.1
UniProt ID	O15440
Chromosome Location	3q27
Pathway	ABC transporters, organism-specific biosystem; ABC transporters, conserved biosystem; ABC-family proteins mediated transport, organism-specific biosystem; Disease, organism-specific biosystem; Fluoropyrimidine Activity, organism-specific biosystem; Glycosaminoglycan metabolism, organism-specific biosystem; Hyaluronan biosynthesis and export, organism-specific biosystem; Hyaluronan metabolism, organism-specific biosystem; MPS I - Hurler syndrome, organism-specific biosystem; MPS II - Hunter syndr
Function	ATP binding; ATPase activity, coupled to transmembrane movement of substances; organic anion transmembrane transporter activity;

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