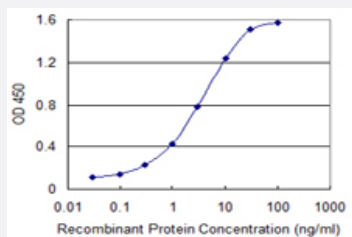


ABCC5 monoclonal antibody (M06), clone 1B12

Catalog # H00010057-M06

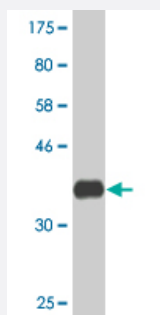
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ABCC5 is 0.03 ng/ml as a capture antibody.



Western Blot detection against Immunogen (35.31 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant ABCC5.
Immunogen	ABCC5 (NP_005679.2, 760 a.a. ~ 846 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	CITERGTHEELMNLNGDYATIFNNLLLGETPPVEINSKKETSGSQKKSQDKGPKTGSVKKEKAVKP EEGQLVQLEEKGGQGSVPWSVY
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (35.31 KDa) .

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ABCC5 is 0.03 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — ABCC5

Entrez GeneID

[10057](#)

GeneBank Accession#

[NM_005688](#)

Protein Accession#

[NP_005679.2](#)

Gene Name

ABCC5

Gene Alias

ABC33, DKFZp686C1782, EST277145, MOAT-C, MOATC, MRP5, SMRP, pABC11

Gene Description

ATP-binding cassette, sub-family C (CFTR/MRP), member 5

Omim ID

[605251](#)

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 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-mercaptopurine 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]

Other Designations

ATP-binding cassette, sub-family C, member 5|canalicular multispecific organic anion transporter C

Pathway

- [ABC transporters](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Hearing Loss](#)
- [Kidney Failure](#)