



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## ABCC5 monoclonal antibody (M06), clone 1B12

Catalog # : H00010057-M06

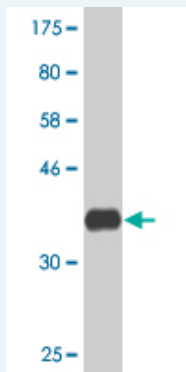
規格 : [ 100 ug ]

List All

### Specification

<b>Product Description:</b>	Mouse monoclonal antibody raised against a partial recombinant ABCC5.
<b>Immunogen:</b>	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.
<b>Sequence:</b>	CITERGTHEELMNLNGDYATIFNLLLLGETPPVEINSKKTSGSQKKSQDKGPKTGSVKKEKAVKPEEGQLVQLEEKQQGSVPWSVY
<b>Host:</b>	Mouse
<b>Reactivity:</b>	Human
<b>Isotype:</b>	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.

**MSDS:** [Download](#)

**Datasheet:** [Download](#)

### Applications

**Western Blot (Recombinant protein)**

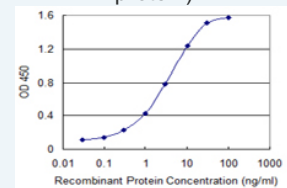
[Protocol Download](#)

**Sandwich ELISA (Recombinant protein)**

### Application Image

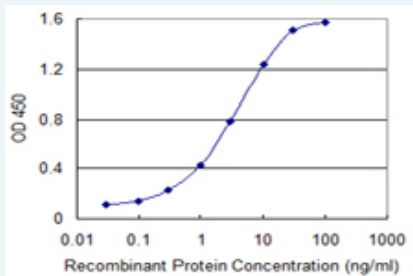
Western Blot (Recombinant protein)

Sandwich ELISA (Recombinant protein)



[enlarge](#)

ELISA



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

 [Protocol Download](#)

## ELISA

### Gene Information

**Entrez GeneID:** [10057](#)

**GeneBank** [NM\\_005688](#)

**Accession#:**

**Protein** [NP\\_005679.2](#)

**Accession#:**

**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

### Gene Pathway

[ABC transporters](#)

### Related Disease

[Cardiovascular Diseases](#) [Diabetes Mellitus, Type 2](#) [Edema](#) [Hearing Loss](#)  
[Kidney Failure, Chronic](#)

