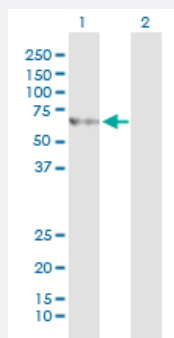


SLC27A5 monoclonal antibody (M01), clone 5A7

Catalog # H00010998-M01

Size 100 ug

Applications

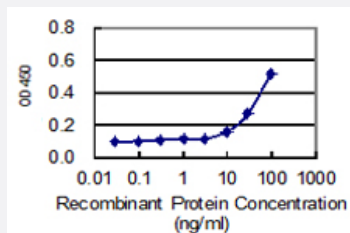


Western Blot (Transfected lysate)

Western Blot analysis of SLC27A5 expression in transfected 293T cell line by SLC27A5 monoclonal antibody (M01), clone 5A7.

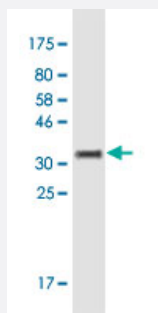
Lane 1: SLC27A5 transfected lysate (Predicted MW: 75.9 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SLC27A5 is 3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (35.2 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant SLC27A5.

Immunogen	SLC27A5 (NP_036386, 90 a.a. ~ 175 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	DVIFLAKILHLGLKIRGCLSRQPPDTFVDAFERRARAQPGRALLVWTGPGAGSVTFGELDARACQ AAWALKAE LGDPASLCAGEPT
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (71); Rat (71)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.2 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 (Transfected lysate)

Western Blot analysis of SLC27A5 expression in transfected 293T cell line by SLC27A5 monoclonal antibody (M01), clone 5A7.

Lane 1: SLC27A5 transfected lysate (Predicted MW: 75.9 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SLC27A5 is 3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — SLC27A5

Entrez GeneID	10998
GeneBank Accession#	NM_012254
Protein Accession#	NP_036386
Gene Name	SLC27A5
Gene Alias	ACSB, ACSVL6, FACVL3, FATP5, FLJ22987, VLACSR, VLCS-H2, VLCSH2
Gene Description	solute carrier family 27 (fatty acid transporter), member 5
Omim ID	603314
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is an isozyme of very long-chain acyl-CoA synthetase (VLCS). It is capable of activating very long-chain fatty-acids containing 24- and 26-carbons. It is expressed in liver and associated with endoplasmic reticulum but not with peroxisomes. Its primary role is in fatty acid elongation or complex lipid synthesis rather than in degradation. This gene has a mouse ortholog. [provided by RefSeq]
Other Designations	fatty-acid-Coenzyme A ligase, very long-chain 3 very long-chain acyl-CoA synthetase homolog 2 very long-chain acyl-CoA synthetase-related protein

Pathway

- [Metabolic pathways](#)
- [PPAR signaling pathway](#)
- [Primary bile acid biosynthesis](#)

Disease

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)