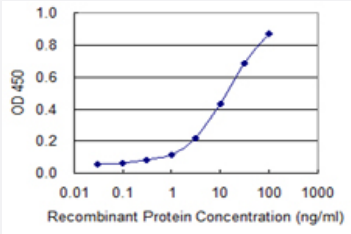
SLC5A3 monoclonal antibody (M02), clone 3A6

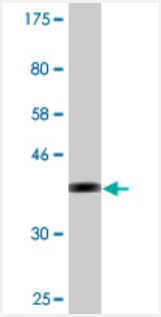
Catalog # H00006526-M02 Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SLC5A3 is 0.3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.73 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant SLC5A3.
Immunogen	SLC5A3 (NP_008864, 533 a.a. ~ 641 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	TPPPTKEQIRTTTFWSKKNLVVKENCSPKEEPYKMQEKSILRCSENNETINHIIPNGKSEDSIKGLQ PEDVNLLVTCREEGNPVASLGHSEAETPVDAYSNGQAALMGE
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (89); Rat (88)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.73 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 SLC5A3 is 0.3 ng/ml as a capture antibody.

  Protocol Download

- ELISA

Gene Info — SLC5A3

Entrez GeneID	6526
GeneBank Accession#	NM_006933
Protein Accession#	NP_008864
Gene Name	SLC5A3
Gene Alias	SMIT, SMIT2
Gene Description	solute carrier family 5 (sodium/myo-inositol cotransporter), member 3
Omim ID	600444
Gene Ontology	Hyperlink
Gene Summary	O

Other Designations	OTTHUMP00000068543|human solute carrier family 5, member 3, Sodium/myo-inositol cotransporter|sodium/myo-inositol cotransporter 1|solute carrier family 5 (inositol transporter), member 3|solute carrier family 5 (inositol transporters), member 3

Publication Reference

- Elevated extracellular glucose and uncontrolled type 1 diabetes enhance NFAT5 signaling and disrupt the transverse tubular network in mouse skeletal muscle.

  Hernández-Ochoa EO, Robison P, Contreras M, Shen T, Zhao Z, Schneider MF.

  Experimental Biology and Medicine (Maywood, N.J.) 2012 Sep; 237(9):1068.

  Application: WB-Ti, Mouse, Flexor digitorum brevis skeletal muscle fibers

Disease

- Coronary Artery Disease
- Coronary Disease
- Genetic Predisposition to Disease
- Myocardial Infarction