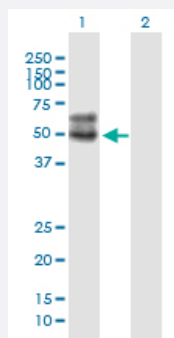


SLC2A4 monoclonal antibody (M02), clone 1F12

Catalog # H00006517-M02

Size 100 ug

Applications

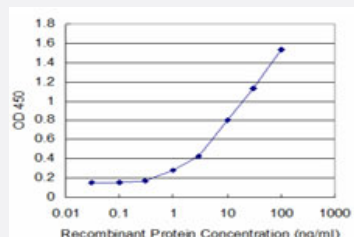


Western Blot (Transfected lysate)

Western Blot analysis of SLC2A4 expression in transfected 293T cell line by SLC2A4 monoclonal antibody (M02), clone 1F12.

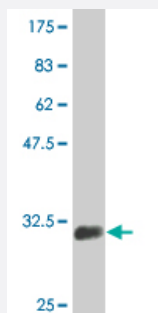
Lane 1: SLC2A4 transfected lysate (54.8 kDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SLC2A4 is approximately 0.3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (30.47 kDa).

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant SLC2A4.

Immunogen	SLC2A4 (NP_001033, 467 a.a. ~ 509 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	RVPETRGRFTDQISAAFHRTPSLLEQEVKPSLEYLELGPDEND
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (30.47 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 SLC2A4 expression in transfected 293T cell line by SLC2A4 monoclonal antibody (M02), clone 1F12.

Lane 1: SLC2A4 transfected lysate(54.8 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SLC2A4 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — SLC2A4

Entrez GeneID [6517](#)

GeneBank Accession# [NM_001042](#)

Protein Accession#	NP_001033
Gene Name	SLC2A4
Gene Alias	GLUT4
Gene Description	solute carrier family 2 (facilitated glucose transporter), member 4
Omim ID	138190
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the solute carrier family 2 (facilitated glucose transporter) family and encodes a protein that functions as an insulin-regulated facilitative glucose transporter. In the absence of insulin, this integral membrane protein is sequestered within the cells of muscle and adipose tissue. Within minutes of insulin stimulation, the protein moves to the cell surface and begins to transport glucose across the cell membrane. Mutations in this gene have been associated with noninsulin-dependent diabetes mellitus (NIDDM). [provided by RefSeq]
Other Designations	glucose transporter 4 insulin-responsive glucose transporter type 4

Pathway

- [Adipocytokine signaling pathway](#)
- [Insulin signaling pathway](#)
- [Type II diabetes mellitus](#)

Disease

- [Alzheimer disease](#)
- [Atherosclerosis](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Edema](#)

- [Genetic Predisposition to Disease](#)
- [Insulin Resistance](#)
- [Lung Neoplasms](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Polycystic Ovary Syndrome](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)