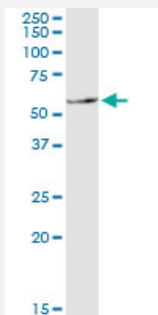


SLC11A1 monoclonal antibody (M01), clone 2G2

Catalog # H00006556-M01

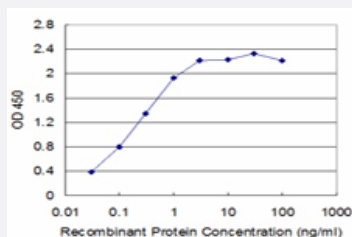
Size 100 ug

Applications



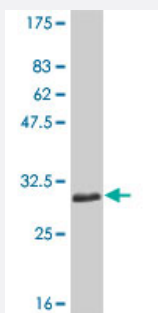
Western Blot (Tissue lysate)

SLC11A1 monoclonal antibody (M01), clone 2G2. Western Blot analysis of SLC11A1 expression in human liver.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SLC11A1 is approximately 0.03ng/ml as a capture antibody.



Western Blot detection against Immunogen (30.47 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant SLC11A1.

Immunogen	SLC11A1 (NP_000569.2, 308 a.a. ~ 350 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	QAFYQKTNQAAFNICANSSLHDYAKIFPMNNATVAVDIYQGGV
Host	Mouse
Reactivity	Human
Isotype	IgG1 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 (Tissue lysate)

SLC11A1 monoclonal antibody (M01), clone 2G2. Western Blot analysis of SLC11A1 expression in human liver.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SLC11A1 is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — SLC11A1

Entrez GeneID	6556
GeneBank Accession#	NM_000578
Protein Accession#	NP_000569.2

Gene Name	SLC11A1
Gene Alias	LSH, NRAMP, NRAMP1
Gene Description	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 1
Omim ID	600266 607948
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the solute carrier family 11 (proton-coupled divalent metal ion transporters) family and encodes a multi-pass membrane protein. The protein functions as a divalent transition metal (iron and manganese) transporter involved in iron metabolism and host resistance to certain pathogens. Mutations in this gene have been associated with susceptibility to infectious diseases such as tuberculosis and leprosy, and inflammatory diseases such as rheumatoid arthritis and Crohn disease. Alternatively spliced variants that encode different protein isoforms have been described but the full-length nature of only one has been determined. [provided by RefSeq]
Other Designations	natural resistance-associated macrophage protein 1 solute carrier family 11 (sodium/phosphate symporters), member 1

Publication Reference

- [Solute Carrier 11A1 Is Expressed by Innate Lymphocytes and Augments Their Activation.](#)

Hedges JF, Kimmel E, Snyder DT, Jerome M, Jutila MA.

The Journal of Immunology 2013 Apr; 190(8):4263.

Application: IF, WB-Ce, Bovine, Human, $\gamma\delta$ T, PBMCs, ELAM cells

Pathway

- [Lysosome](#)

Disease

- [Abortion](#)
- [Alzheimer disease](#)
- [Anemia](#)
- [Arthritis](#)
- [Asthma](#)

- [Atherosclerosis](#)
- [Autoimmune Diseases](#)
- [Behcet Syndrome](#)
- [Brucellosis](#)
- [Campylobacter Infections](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Chagas Cardiomyopathy](#)
- [Chagas Disease](#)
- [Chlamydia Infections](#)
- [Chronic Disease](#)
- [Colitis](#)
- [Crohn Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Epstein-Barr Virus Infections](#)
- [Esophageal Neoplasms](#)
- [Fatigue Syndrome](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [Hyperparathyroidism](#)
- [Hypersensitivity](#)

- [Infection](#)
- [Inflammatory Bowel Diseases](#)
- [Leishmaniasis](#)
- [Leprosy](#)
- [Liver Cirrhosis](#)
- [Lung Diseases](#)
- [Lymphadenitis](#)
- [Lymphoproliferative Disorders](#)
- [Multiple Sclerosis](#)
- [Mycobacterium avium-intracellulare Infection](#)
- [Mycobacterium Infections](#)
- [Periodontitis](#)
- [Pulmonary Disease](#)
- [Q Fever](#)
- [Salmonella Infections](#)
- [Sarcoidosis](#)
- [Scleroderma](#)
- [Silicosis](#)
- [Skin Ulcer](#)
- [Tuberculosis](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Viremia](#)