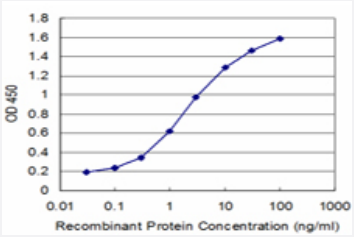
SLC11A2 monoclonal antibody (M04), clone 1E11

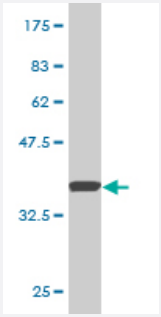
Catalog # H00004891-M04 Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SLC11A2 is approximately 0.03ng/ml as a capture antibody.



Western Blot detection against Immunogen (32.89 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant SLC11A2.
Immunogen	SLC11A2 (NP_000608, 1 a.a. ~ 65 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MVLGPEQKMSDDSVSGDHGESASLGNINPAYSNPSLSQSPGDSEEYFATYFNEKISIPEEEYSCF
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (75); Rat (75)

Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (32.89 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 SLC11A2 is approximately 0.03ng/ml as a capture antibody.

  Protocol Download

- ELISA

Gene Info — SLC11A2

Entrez GeneID	4891
GeneBank Accession#	NM_000617
Protein Accession#	NP_000608
Gene Name	SLC11A2
Gene Alias	DCT1, DMT1, FLJ37416, NRAMP2
Gene Description	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2
Omim ID	206100 600523
Gene Ontology	Hyperlink
Gene Summary	The SLC11A2 gene encodes a divalent metal transporter (DMT1), which carries iron, manganese , cobalt, nickel, cadmium, lead, copper, and zinc. DMT1 participates in cellular iron absorption at t he luminal surface of the duodenum as well as in other areas of the body (Hubert and Hentze, 200 2 [PubMed 12209011]; Ludwiczek et al., 2007 [PubMed 17293870]).[supplied by OMIM

Other Designations	natural resistance-associated macrophage protein 2

Pathway

- Lysosome

Disease

- Abortion
- Alzheimer disease
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Hemochromatosis
- Hereditary hemochromatosis
- Iron Overload
- Tobacco Use Disorder
- Tuberculosis