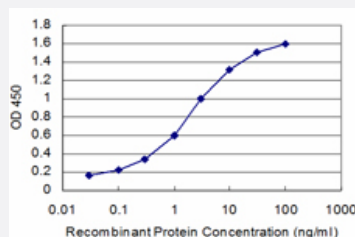


SLC11A2 monoclonal antibody (M06), clone 2F7

Catalog # H00004891-M06

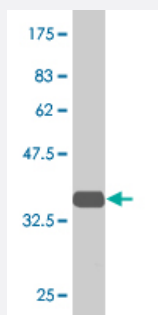
Size 100 ug

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	MVLGPEQKMSDDSVSGDHGESASLGNNPAYSNP SLSQSPGDSEEYFATYFNEKISIP EEEYSCF
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 the luminal surface of the duodenum as well as in other areas of the body (Hubert and Hentze, 2002 [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](#)