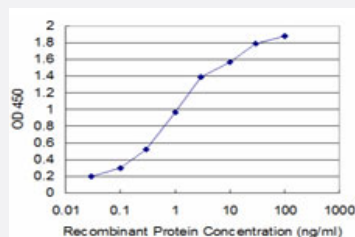


SLC11A2 monoclonal antibody (M03), clone 4G2

Catalog # H00004891-M03

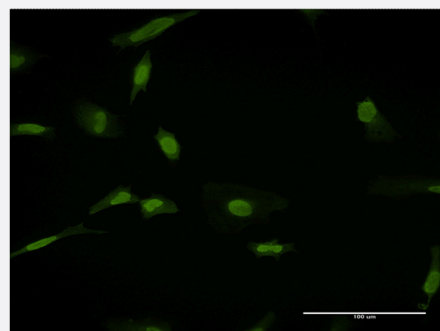
Size 100 ug

Applications



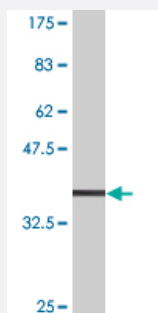
Sandwich ELISA (Recombinant protein)

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



Immunofluorescence

Immunofluorescence of monoclonal antibody to SLC11A2 on HeLa cell .
[antibody concentration 10 ug/ml]



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	MVLGPEQKMSDDSVSGDHGESASLGNINPAYSNPSLSQSPGDSEEYFATYFNEKISIPEEEEYSCF
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (75); Rat (75)
Isotype	IgG2b 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

- Immunofluorescence

Immunofluorescence of monoclonal antibody to SLC11A2 on HeLa cell . [antibody concentration 10 ug/ml]

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](#)