

Human Divalent Metal Transporter 1 (DMT1) RTU ELISA Kit | DMT1 rtu elisa kit

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CATALOG #
AAA70255

REACTIVITY
Human

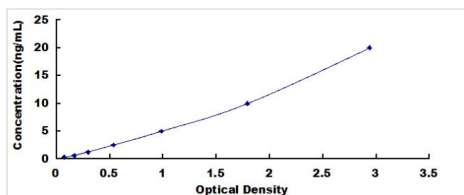
PRODUCT SYNONYMS

Divalent Metal Transporter 1 (DMT1); Human Divalent Metal Transporter 1 (DMT1) ELISA Kit; SLC11A2; DCT1; NRAMP2; Natural resistance-associated macrophage protein 2; Solute Carrier Family 11 Member 2; Proton-Coupled Divalent Metal Ion Transporters; DMT1 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	561
Assay Type	Sandwich
Samples	Tissue Homogenates, Cell Lysates or Other Biological Fluids.
Detection Range	0.312-20ng/mL
Sensitivity	0.112ng/mL
RTU ELISA Kit's Advantage	The Ready-To-Use (RTU) Kits require fewer steps in setup and take less time to run. Detection Solutions are pre-diluted and total incubation time is shorter than many other ELISA Kits.
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DMT1 rtu elisa kit

Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to DMT1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to DMT1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain DMT1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm $\pm$ 10nm. The concentration of DMT1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835169
NCBI GeneID	4891
NCBI Accession #	NP_000608.1
NCBI GenBank Nucleotide #	NM_000617.2
UniProt Accession #	P49281; O43288; O60932; O94801; Q498Z5; Q8IUD7; Q96J35; B3KT08; B4DK84; F5H741
Molecular Weight	61,048 Da
NCBI Official Full Name	natural resistance-associated macrophage protein 2 isoform 3
NCBI Official Synonym Full Names	solute carrier family 11 member 2
NCBI Official Symbol	SLC11A2
NCBI Official Synonym Symbols	DCT1; DMT1; AHMIO1; NRAMP2
NCBI Protein Information	natural resistance-associated macrophage protein 2
UniProt Protein Name	Natural resistance-associated macrophage protein 2
UniProt Gene Name	SLC11A2
UniProt Synonym Gene Names	DCT1; DMT1; NRAMP2; NRAMP 2; DMT-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-rtu-elisa-kits/divalent-metal-transporter-1-dmt1/70255>