

Human Divalent Metal Transporter 1 ELISA Kit | DMT-1 elisa kit

Human Divalent Metal Transporter 1 ELISA Kit

CATALOG #
AAA247158

REACTIVITY
Human

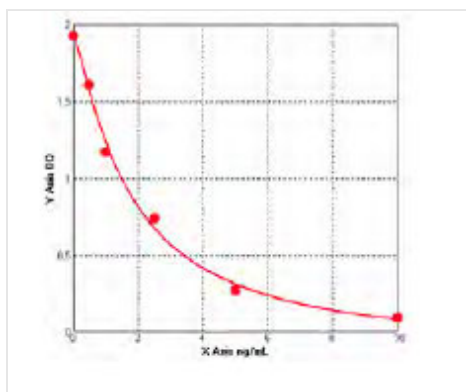
PRODUCT SYNONYMS

Divalent Metal Transporter 1; Human Divalent Metal Transporter 1 ELISA Kit; DMT-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	547
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DMT-1 elisa kit

Intended Uses: This DMBT1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine DMBT1. This ELISA kit for research use only!

Principle of the Assay: DMBT1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-DMBT1 antibody and an DMBT1-HRP conjugate. The assay sample and buffer are incubated together with DMBT1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the DMBT1 concentration since DMBT1 from samples and DMBT1-HRP conjugate compete for the anti-DMBT1 antibody binding site. Since the number of sites is limited, as more sites are occupied by DMBT1 from the sample, fewer sites are left to bind DMBT1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DMBT1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	27475929
NCBI GeneID	678623
Molecular Weight	60,107 Da
NCBI Official Full Name	divalent metal transporter 1
NCBI Official Synonym Full Names	solute carrier family 11 (proton-coupled divalent metal ion transporter), member 2
NCBI Official Symbol	slc11a2
NCBI Official Synonym Symbols	DMT1; cb426; fa07b10; wu:fa07b10; zgc:136699
NCBI Protein Information	natural resistance-associated macrophage protein 2
UniProt Protein Name	Divalent metal transporter 1
UniProt Gene Name	slc11a2

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/dmt-1-human-elisa-kits/divalent-metal-transporter-1/247158>