

Human Mitoferrin (MFRN) ELISA Kit | MFRN elisa kit

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CATALOG #
AAA64528

REACTIVITY
Human

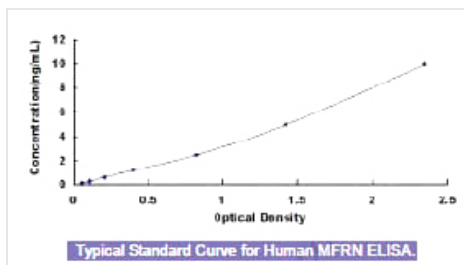
PRODUCT SYNONYMS

Mitoferrin (MFRN); Human Mitoferrin (MFRN) ELISA Kit; SLC25A37; MSC; HT015; MSCP; Solute Carrier Family 25 Member 37; Mitochondrial iron transporter 1; Mitochondrial solute carrier protein; MFRN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MFRN. No significant cross-reactivity or interference between MFRN and analogues was observed.
Sequence Length	187
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.053ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MFRN were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MFRN were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MFRN elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MFRN in human tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MFRN. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to MFRN. 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 MFRN, 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 +/- 10nm. The concentration of MFRN in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	961349587
NCBI GeneID	51312
NCBI Accession #	NP_001304741.1
NCBI GenBank Nucleotide #	NM_001317812.1
UniProt Accession #	Q9NYZ2; Q53FT7; Q69YJ8; Q969S1; Q9P0J2; A2RU93
Molecular Weight	21,125 Da
NCBI Official Full Name	mitoferrin-1 isoform 2
NCBI Official Synonym Full Names	solute carrier family 25 member 37
NCBI Official Symbol	SLC25A37
NCBI Official Synonym Symbols	MSC; MFRN; MSCP; HT015; MFRN1; PRO1278; PRO1584; PRO2217
NCBI Protein Information	mitoferrin-1
UniProt Protein Name	Mitoferrin-1
UniProt Gene Name	SLC25A37
UniProt Synonym Gene Names	MFRN; MSCP

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.