

Human Melanotransferrin (MFI2) ELISA Kit | MFI2 elisa kit

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CATALOG #
AAA64252

REACTIVITY
Human

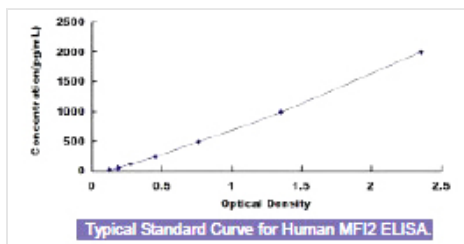
PRODUCT SYNONYMS

Melanotransferrin (MFI2); Human Melanotransferrin (MFI2) ELISA Kit; CD228; MAP97; MTF1; Antigen P97(Melanoma Associated); Membrane-Bound Transferrin-Like Protein; MFI2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MFI2. No significant cross-reactivity or interference between MFI2 and analogues was observed.
Sequence Length	738
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	31.25-2000pg/mL
Sensitivity	12.9pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MFI2 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 MFI2 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 MFI2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MFI2 in human serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MFI2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to MFI2. 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 MFI2, 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 MFI2 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 #	134244281
NCBI GeneID	4241
NCBI Accession #	NP_005920.2
NCBI GenBank Nucleotide #	NM_005929.5
UniProt Accession #	P08582; Q9BQE2
Molecular Weight	32,723 Da
NCBI Official Full Name	melanotransferrin isoform 1 preproprotein
NCBI Official Synonym Full Names	melanotransferrin
NCBI Official Symbol	MELTF
NCBI Official Synonym Symbols	MTf; MFI2; MTF1; CD228; MAP97
NCBI Protein Information	melanotransferrin
UniProt Protein Name	Melanotransferrin
UniProt Gene Name	MELTF

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.