

Human Melanotransferrin (MF12) ELISA Kit | MF12 elisa kit

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CATALOG #
AAA136538

REACTIVITY
Human

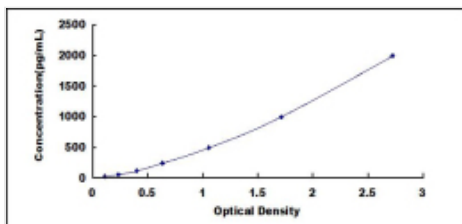
PRODUCT SYNONYMS

Melanotransferrin (MF12); Human Melanotransferrin (MF12) ELISA Kit; CD228; MAP97; MTF1; Antigen P97(Melanoma Associated); Membrane-Bound Transferrin-Like Protein; MF12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Melanotransferrin (MF12). No significant cross-reactivity or interference between Melanotransferrin (MF12) and analogues was observed.
Sequence Length	302
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and other biological fluids
Detection Range	31.2-2,000pg/mL
Sensitivity	12.5pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Melanotransferrin (MF12) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Melanotransferrin (MF12) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MFI2 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Melanotransferrin (MFI2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Melanotransferrin (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 Melanotransferrin (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 Melanotransferrin (MFI2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for MFI2 elisa kit	CD & Adhesion molecule; Tumor immunity; Dermatology

NCBI AND UNIPROT INFORMATION

NCBI GI #	16163666
NCBI GeneID	4241
NCBI Accession #	NP_201573.1
NCBI GenBank Nucleotide #	NM_033316.3
UniProt Accession #	P08582; Q9BQE2
Molecular Weight	32,723 Da
NCBI Official Full Name	melanotransferrin isoform 2
NCBI Official Synonym Full Names	antigen p97 (melanoma associated) identified by monoclonal antibodies 133.2 and 96.5
NCBI Official Symbol	MFI2
NCBI Official Synonym Symbols	MTf; MTF1; CD228; MAP97
NCBI Protein Information	melanotransferrin
UniProt Protein Name	Melanotransferrin
UniProt Gene Name	MFI2
UniProt Synonym Gene Names	MAP97
UniProt Entry Name	TRFM_HUMAN

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-elisa-kits/melanotransferrin-mfi2/136538>