TRFM Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TRFM, Polyclonal Antibody
Full Product Name	TRFM Rabbit Polyclonal Antibody
Product Gene Name	anti-TRFM antibody
Product Synonym Gene Name	MFI2, MAP97
Product Synonym Names	BH6842; Melanotransferrin (Melanoma-associated antigen p97)(CD antigen CD228)
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration	1mg/ml (lot specific)
Specificity	TRFM Polyclonal Antibody detects endogenous levels of protein.
Preparation and Storage	Store at -20 degree C/1 year
Molecular Weight	80,215 Da
OMIM	155750
3D Structure	ModBase 3D Structure for P08582
Immunogen	Synthesized peptide derived from human protein. at AA range: 210-290
Modification	Unmodified/Total
Applications Tested/Suitable for anti-TRFM antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-TRFM antibody	WB: 1:500-2000 ELISA: 1:5000-20000
Related Product Information for anti-TRFM antibody	The protein encoded by this gene is a cell-surface glycoprotein found on melanoma cells. The protein shares sequence similarity and iron-binding properties with members of the transferrin superfamily. The importance of the iron binding function has not yet been identified. This gene resides in the same region of chromosome 3 as members of the transferrin superfamily. Alternative splicing results in two transcript variants. [provided by RefSeq, Jul 2008]
Other Notes	Small volumes of anti-TRFM antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TRFM purchase	MBS9517538 is an antibody targeting TRFM. Also known as TRFM Rabbit Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TRFM. It may not necessarily be applicable to this product.

NCBI GI #	134244281
NCBI GeneID	4241
NCBI Accession #	NP_005920.2
UniProt Primary Accession #	P08582
UniProt Secondary Accession #	Q9BQE2
UniProt Related Accession #	P08582
GenBank Nucleotide #	NM_005929.5
NCBI Official Full Name	melanotransferrin isoform 1
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	MTF1; CD228; MAP97
UniProt Protein Name	Melanotransferrin
UniProt Synonym Protein Names	Melanoma-associated antigen p97
UniProt Gene Name	MFI2
UniProt Synonym Gene Names	MAP97
UniProt Entry Name	TRFM_HUMAN
NCBI Protein Information	melanotransferrin; membrane-bound transferrin-like protein; melanoma-associated antigen p97, isoform 2
UniProt Comments for TRFM	MFI2: Involved in iron cellular uptake. Seems to be internalized and then recycled back to the cell membrane. Binds a single atom of iron per subunit. Could also bind zinc. Belongs to the transferrin family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, GPI anchor Chromosomal Location of Human Ortholog: 3q28-q29 Cellular Component: cell surface; anchored to plasma membrane; integral to plasma membrane Molecular Function: protein binding; ferric iron binding; iron ion binding Biological Process: cellular iron ion homeostasis; regulation of cell growth; regulation of cell proliferation
Research Articles on TRFM	**1.** PC3 tumors are sustained by a small number of tumor-initiating cells with stem-like characteristics, including strong self-renewal and pro-angiogenic capability and marked by the expression pattern FAM65Bhigh/MFI2low/LEF1low.
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