

For Research Use Only

MF12 Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 88127-2-PBS



Basic Information

Catalog Number: 88127-2-PBS	GenBank Accession Number: NM_005929.6	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 4241	CloneNo.: 260392B10
Isotype: IgG	UNIPROT ID: P08582-1	
Immunogen Catalog Number: EG9197	Full Name: antigen p97 (melanoma associated) identified by monoclonal antibodies 133.2 and 96.5	
	Calculated MW: 80 kDa	
	Observed MW: 82 kDa	

Applications

Tested Applications:
WB, Cytometric bead array, Sandwich ELISA, Indirect ELISA

Species Specificity:
human

Background Information

MF12 (Melanotransferrin/Mtf/TRMF), also known as p97 or CD228, is an iron-binding glycoprotein belonging to the transferrin family. Alternative RNA splicing yields two forms of different length transcripts, one (the longer) bound to the membrane (mMF12) and the other (the shorter) secreted to the peripheral environment (sMF12) such as blood and cell supernatant. MF12 is upregulated in tumor tissues and has been identified as a serological marker of colorectal cancer (PMID: 25216327).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

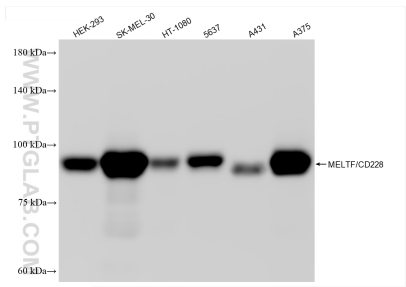
T: 4006900926

E: Proteintech-CN@ptglab.com

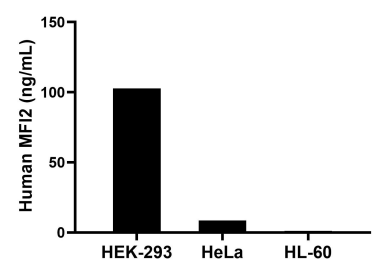
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

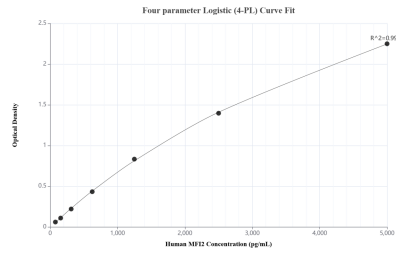
Selected Validation Data



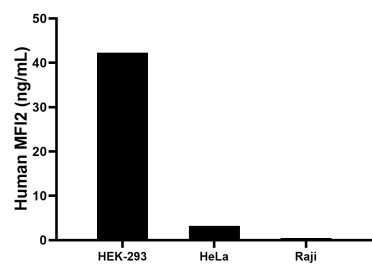
Various lysates were subjected to SDS PAGE followed by western blot with 88127-2-RR (MELTF/CD228 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 88127-2-PBS in a different storage buffer formulation.



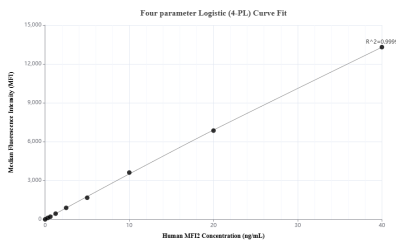
The mean MFI2 concentration was determined to be 102.73 ng/mL in HEK-293 cell extract based on a 1.50 mg/mL extract load, 8.59 ng/mL in HeLa cell extract based on a 1.20 mg/mL extract load and 1.26 ng/mL in HL-60 cell extract based on a 1.20 mg/mL extract load.



Sandwich ELISA standard curve of MP03370-1, Human MFI2 Recombinant Matched Antibody Pair - PBS only. 88127-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg9197. 88127-3-PBS was HRP conjugated as the detection antibody. Range: 78.1-5000 pg/mL.



The mean MFI2 concentration was determined to be 42.3 ng/mL in HEK-293 cell extract based on a 1.2 mg/mL extract load, 3.2 ng/mL in HeLa cell extract based on a 1.2 mg/mL extract load, 0.5 ng/mL in Raji cell extract based on a 1.5 mg/mL extract load.



Cytometric bead array standard curve of MP03370-1, MFI2 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 88127-2-PBS. Detection antibody: 88127-3-PBS. Standard: Eg9197. Range: 0.312-40 ng/mL.