

Mouse CD71/Transferrin Receptor (TFRC) Monoclonal Antibody | anti-CD71 antibody

CD71/Transferrin Receptor (TFRC) (Extracellular Domain)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214527	Mouse	Human. Others not known.	Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

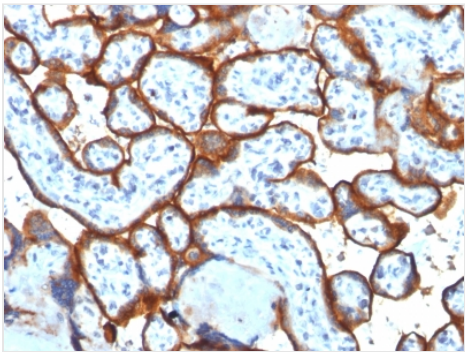
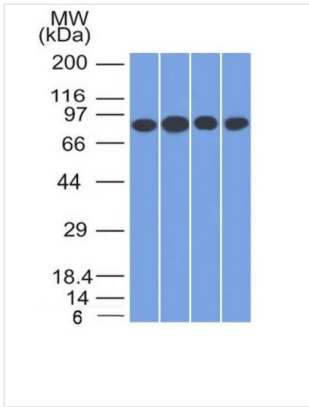
PRODUCT SYNONYMS

CD71/Transferrin Receptor (TFRC); Monoclonal Antibody; CD71/Transferrin Receptor (TFRC) (Extracellular Domain); Mtvr-1; p90; TFR1; TFRC transferrin receptor (p90 CD71); TRFR; anti-CD71 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	TFRC/1817
Specificity	It recognizes a ~90-95kDa protein which is identified as cell surface transferrin receptor (CD71), a disulfide-bonded homodimeric glycoprotein of 180-190kDa. This MAb is highly specific to CD71 and shows no cross-reaction with other related proteins. Ligand for transferrin receptor is the serum iron transport protein, transferrin. This receptor is broadly distributed in carcinomas, sarcomas, leukemias, and lymphomas. CD71/Transferrin receptor has been reported to be associated with cell proliferation in both normal and neoplastic tissues and useful in predicting clinical behavior or response to therapy in a number of malignancies including breast cancer.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	760
Applicable Applications for anti-CD71 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Immunogen	Recombinant human TFRC protein fragment (aa94-212)
Cellular Localization	Cell Surface
Hu-chromosome Location	3q29
Positive Control	PC3 cells. Human placenta or breast carcinoma.
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded Human Placenta stained with CD71 Monoclonal Antibody (TFRC/1817).

WB (Western Blot)
Western Blot Analysis of A) Jurkat (B) HeLa (C) MCF-7 & (D) K562 Cell lysate using CD71 Mouse Monoclonal Antibody (TFRC/1817).

ADDITIONAL INFORMATION

References	Oudermans et al. Cancer, 1986; 58:1252. K. Moolenaar et al. Cancer research 50, 1102-1106, 1990.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	189458819
NCBI GeneID	7037
NCBI Accession #	NP_001121620.1
NCBI GenBank Nucleotide #	NM_001128148.2
UniProt Accession #	P02786; Q1HE24; Q59G55; Q9UCN0; Q9UCU5; Q9UDF9; Q9UK21; D3DXB0
Molecular Weight	85-95kDa (monomer); 190kDa (dimer)
NCBI Official Full Name	transferrin receptor protein 1 isoform 1
NCBI Official Synonym Full Names	transferrin receptor
NCBI Official Symbol	TFRC
NCBI Official Synonym Symbols	T9; TR; TFR; p90; CD71; TFR1; TRFR; IMD46
NCBI Protein Information	transferrin receptor protein 1
UniProt Protein Name	Transferrin receptor protein 1
UniProt Gene Name	TFRC
UniProt Synonym Gene Names	TR; TfR; TfR1; Trfr; sTfR

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.