

Rabbit anti-Human CD71/Transferrin Receptor (TFRC) Antibody | anti-TFRC antibody

CD71/Transferrin Receptor (TFRC) (Extracellular Domain)

CATALOG # AAA215217	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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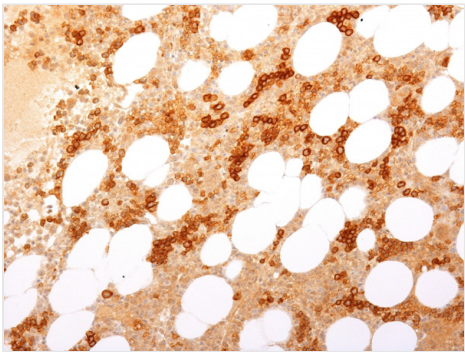
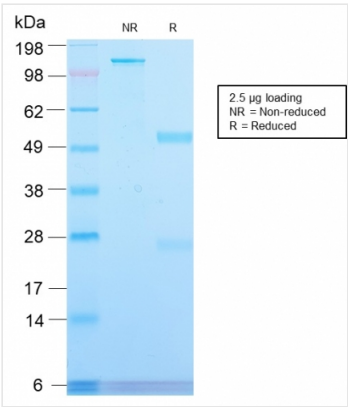
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Isotype	IgG
Clone Number	TFRC/2898R
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.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
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-TFRC antibody	IHC (Immunohistochemistry)
Positive Control	Jurkat, HeLa, MCF-7 or K562 cells. Human placenta or Bone Marrow.
Immunogen	Recombinant human extracellular TFRC protein fragment (aa94-212) (exact sequence is proprietary)
Cellular Localization	Cell Surface
Hu-chromosome Location	3q29
Antibody Type	Recombinant Rabbit Monoclonal Antibody
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 Bone Marrow stained with CD71 Rabbit Recombinant Monoclonal Antibody (TFRC/2898R).

SDS-PAGE
SDS-PAGE Analysis Purified CD71 Rabbit Recombinant Monoclonal Antibody (TFRC/2898R).
Confirmation of Purity and Integrity of Antibody.

ADDITIONAL INFORMATION

References	1. K. Moolenaar et al. Cancer research 50,1102-1106, 1990. 2. Oudermans et al. Cancer, 1986; 58:125
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NCBI AND UNIPROT INFORMATION

NCBI GI #	189458819
NCBI GeneID	7037
NCBI Accession #	NP_001121620.1
NCBI GenBank Nucleotide #	NP_001121620.1
UniProt Accession #	P02786
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
UniProt Entry Name	TFR1_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.