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

CD71/Transferrin Receptor Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282936	**Rabbit**	**Human**	**ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

CD71/Transferrin Receptor; Monoclonal Antibody; CD71/Transferrin Receptor Rabbit mAb; T9; TR; TFR; p90; CD71; TFR1; TRFR; IMD46; anti-TFRC antibody

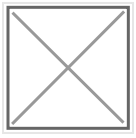
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	RLAGTESPVR EEPGEDFPAA RRLYWDDLKR KLSEKLDSTD FTGTIKLLNE NSYVPREAGS QKDENLALYV ENQFREFKLS KVWRDQHFVK IQVKDSAQNS VIIVDKNGRL VYLVENPGGY VAYSKAATVT GKLVHANFGT KKDFEDLYTP V
Applicable Applications for anti-TFRC antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 100-250 of human CD71/Transferrin Receptor (NP_003225.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES

ICC (Immunocytochemistry)
Confocal imaging of HeLa cells using CD71/Transferrin Receptor Rabbit mAb (AAA282936, dilution 1:200) (Red). The cells were counterstained with CD44 Rabbit mAb (A21919, dilution 1:200) (Green). DAPI was used for nuclear staining (blue). Objective: 60x.

IHC (Immunohiostchemistry)
Immunohistochemistry analysis of paraffin-embedded Human lung using CD71/Transferrin Receptor Rabbit mAb (AAA282936) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



WB (Western Blot)
Western blot analysis of lysates from HeLa cells, using CD71/Transferrin Receptor Rabbit mAb (AAA282936) at1:80000 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 5s.

ADDITIONAL INFORMATION

Related Product Information for anti-TFRC antibody	This gene encodes a cell surface receptor necessary for cellular iron uptake by the process of receptor-mediated endocytosis. This receptor is required for erythropoiesis and neurologic development. Multiple alternatively spliced variants have been identified.
Product Categories/Family for anti-TFRC antibody	Epigenetics Nuclear Signaling; RNA Binding; Cancer; Endocrine Metabolism; Immunology Inflammation; CDs; Stem Cells; Hematopoietic Progenitors; Neural Stem Cells; Cardiovascular; Blood; Serum Proteins; Hypoxia; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	189458819
NCBI GeneID	7037
NCBI Accession #	NP_001121620.1
NCBI GenBank Nucleotide #	NM_001128148.1
UniProt Accession #	P02786; Q1HE24; Q59G55; Q9UCN0; Q9UCU5; Q9UDF9; Q9UK21; D3DXB0
Molecular Weight	Calculated MW: 85kDa Observed MW: 90kDa
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.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/cd71-transferrin-receptor-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/282936