Rabbit Transferrin (CD71) Monoclonal Antibody | anti-TFRC antibody

Transferrin Receptor (CD71) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30263	**Rabbit**	**Human, Mouse, Rat**	**Western Blot, Immunohistochemistry, Immunoprecipitation, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

Transferrin (CD71); Monoclonal Antibody; Transferrin Receptor (CD71) Antibody; CD 71 antibody; CD71 antibody; CD71 antigen antibody; IMD46 antibody; OTTHUMP00000208523 antibody; OTTHUMP00000208524 antibody; OTTHUMP00000208525 antibody; p90 antibody; sTfR antibody; T9 antibody; TFR 1 antibody; TfR antibody; TfR1 antibody; TFR1_HUMAN antibody; TFRC antibody; TR antibody; Transferrin receptor (p90 CD71) antibody; Transferrin receptor protein 1; serum form antibody; Trfr antibody; anti-TFRC antibody

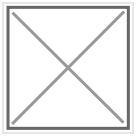
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	JF0956
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-TFRC antibody	WB (Western Blot), IHC (Immunohistochemistry), IP (Immunoprecipitation), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:1000-1:2000 IHC: 1:50-1:200 FC: 1:50-1:100
Immunogen Description	Recombinant protein
Preparation and Storage	Store at -20 degree C.

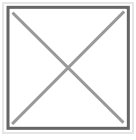
IMAGES

FCM (Flow Cytometry)
Flow cytometric analysis of Hela cells with Transferrin Receptor antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody

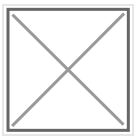
IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded mouse placenta tissue using anti-Transferrin Receptor antibody. Counter stained with hematoxylin.



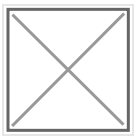
IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-Transferrin Receptor antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using anti-Transferrin Receptor antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-Transferrin Receptor antibody. Counter stained with hematoxylin.



WB (Western Blot)
Western blot analysis of Transferrin Receptor on mouse placenta lysates using anti-Transferrin Receptor antibody at 1/1, 000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-TFRC antibody	CD71, also known as the transferrin receptor (TFR), is a type II membrane glycoprotein that exists as a disulfide-linked homodimer of two identical subunits. CD71 binds to two molecules of transferrin and a serum iron-transport protein, and directs the cellular uptake of iron via receptor-mediated endocytosis. CD71 is expressed, typically at high levels, on all proliferating cells, reticulocytes and erythroid precursors. It is not expressed on resting leukocytes, but is upregulated upon activation of lymphocytes, monocytes and macrophages. CD71 is also found on most dividing cells and on brain endothelium. A second transferrin receptor, TFR2, also mediates the uptake of transferrin-bound iron. TFR2 is a two-subunit homodimer and is highly expressed in liver as well as in hepatocytes and erythroid precursors. Mutations in the TFR2 gene result in hereditary hemochromatosis type III (HFE3), an iron overloading disorder predominant in Caucasians.
Product Categories/Family for anti-TFRC antibody	Total protein Ab

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	85kDa
NCBI Official Full Name	transferrin receptor protein 1
NCBI Official Synonym Full Names	transferrin receptor (p90, CD71)
NCBI Official Symbol	TFRC
NCBI Official Synonym Symbols	T9; TR; TFR; p90; CD71; TFR1; TRFR
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.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/transferrin-cd71-antibody-clone-jf0956-western-blot-immunohistochemistry-immunoprecipitation-flow-cytometry-elisa/30263