

Mouse anti-Human Transferrin Receptor/TFRC Monoclonal Antibody | anti-TFRC antibody

Anti-Transferrin Receptor/TFRC Antibody, Mouse Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255292	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay

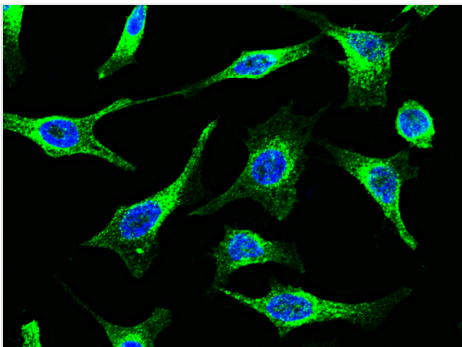
PRODUCT SYNONYMS

Transferrin Receptor/TFRC; Monoclonal Antibody; Anti-Transferrin Receptor/TFRC Antibody; Mouse Monoclonal; Transferrin Receptor/TFRC/CD71 Antibody; Mouse MAb; transferrin receptor; Anti-CD71 Antibody; Anti-p90 Antibody; Anti-T9 Antibody; Anti-TFR Antibody; Anti-TFR1 Antibody; Anti-TR Antibody; Anti-TRFR Antibody; anti-TFRC antibody

PRODUCT SPECIFICATIONS

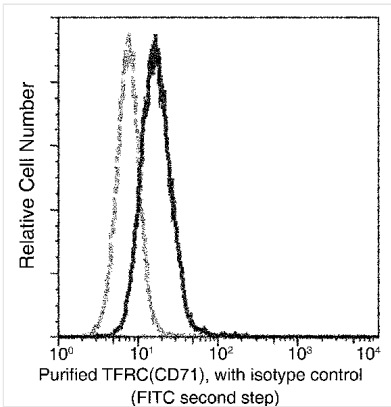
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	04
Specificity	Human Transferrin Receptor/TFRC/CD71
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-TFRC antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant Human Transferrin Receptor/TFRC/CD71 Protein
Conjugation	Unconjugated
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human Transferrin Receptor/TFRC/CD71 (rh Transferrin Receptor/TFRC/CD71). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of CD71 in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with mouse anti-Human CD71 monoclonal antibody (1:60) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-mouse IgG secondary antibody (green) and counterstained with DAPI (blue).



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of Human TFRC(CD71) expression on U937 cells. Cells were stained with purified anti-Human TFRC(CD71), then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.

ADDITIONAL INFORMATION

Related Product Information for anti-TFRC antibody	Transferrin receptor protein 1, also known as transferrin receptor, Trfr, p9, CD71 and TFRC, is a single-pass type II membrane protein that belongs to the peptidase M28 family and M28B subfamily. TFRC/CD71 is a membrane-bound protein expressed in larger amounts in proliferating. The specific expression of TFRC can represent a tool or a therapeutic target in solid tumours expressing this antigen. Transferrin receptor is necessary for development of erythrocytes and the nervous system. TFRC/CD71 is regulated by cellular iron levels through binding of the iron regulatory proteins, IRP1 and IRP2, to iron-responsive elements in the 3'-UTR. Up-regulated upon mitogenic stimulation. TFRC/CD71 represents a marker of malignant transformation in the pancreas that could be applied as potential and therapeutic target.
References	Douabin-Gicquel V., et al., 2001, Hum. Genet. 109:393-401. Ryschich, E. et al., 2004, Eur J Cancer. 40 (9):1418-22. Tosoni D., et al., 2005, Cell 123:875-888. Wollscheid B., et al., 2009, Nat. Biotechnol. 27:378-386.

NCBI AND UNIPROT INFORMATION

NCBI GI #	339516
NCBI GeneID	7037
UniProt Accession #	P02786; Q1HE24; Q59G55; Q9UCN0; Q9UCU5; Q9UDF9; Q9UK21; D3DXB0
Molecular Weight	84,871 Da
NCBI Official Full Name	transferrin receptor
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-receptor-tfrc-antibody-clone-04-immunofluorescence-immunocytochemistry-flow-cytometry-elisa/255292>