Mouse anti-Human Transferrin receptor 1 Monoclonal Antibody | anti-TFRC antibody

Transferrin receptor 1, Human, mAb 3B8 2A1

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA77762	**Mouse**	**Human**	**Western Blot, Immunoprecipitation, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

Transferrin receptor 1; Monoclonal Antibody; Human; mAb 3B8 2A1; anti-TFRC antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	3B8 2A1
Form/Format	1 ml (100 ug/ml) 0.2 um filtered antibody solution in PBS, containing 0.02% sodium azide and 0.1% bovine serum albumin. For unit size 0.5 mg or larger: PBS only (concentration< 0.5mg/ml)
Sequence Length	760
Applicable Applications for anti-TFRC antibody	WB (Western Blot), IP (Immunoprecipitation), IA (Immunoassay), FCM/FACS (Flow Cytometry)
Preparation and Storage	Product should be stored at 4 degree C. Under recommended storage conditions, product is stable for one year.

ADDITIONAL INFORMATION

Related Product Information for anti-TFRC antibody	**Product Description:** Human transferrin receptor 1 (TfR1), also designated CD71, is a homodimeric type II membrane glycoprotein of 90-95 kDa. This receptor binds two molecules of the serum iron-transport protein transferrin (Tf) and is internalised into endosomes that are acidified, resulting in the release of iron from Tf. TfR1 is not expressed on resting leukocytes but is upregulated on all proliferating cells upon activation, reflecting the iron dependence of proliferation. In tissues TfR1 is expressed on most dividing cells and on brain capillary endothelium. Expression of TfR1 is down regulated as a result of iron overload. TfR1 shares 45% identity with TfR2.
References	1. Vogt, T et al; Heterotypic interactions between transferrin receptor and transferrin receptor 2. Blood 2003, 101: 2008 2. Johnson, M et al; Diferric transferrin regulates transferrin receptor 2 protein stability. Blood 2004, 104: 4287

NCBI AND UNIPROT INFORMATION

NCBI GI #	381342502
NCBI GeneID	711568
NCBI Accession #	NP_001244232.1
NCBI GenBank Nucleotide #	NM_001257303.1
NCBI Official Full Name	transferrin receptor protein 1
NCBI Official Symbol	TFRC
NCBI Protein Information	transferrin receptor protein 1; transferrin receptor 1

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-1-antibody-clone-3b8-2a1-western-blot-immunoprecipitation-immunoassay-flow-cytometry-elisa/77762