

Product datasheet for **TA385393M**

CD71 (TFRC) Rabbit Monoclonal Antibody [Clone ID: R08-6H2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	R08-6H2
Applications:	IF, IP, WB
Recommended Dilution:	WB: 1/1000 ICC/IF: 1/20 IP: 1/20
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Recombinant protein of human Transferrin Receptor
Formulation:	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Stability:	1 year
Predicted Protein Size:	Calculated MW: 84 kDa; Observed MW: 90 kDa
Gene Name:	transferrin receptor
Database Link:	Entrez Gene 7037 Human P02786



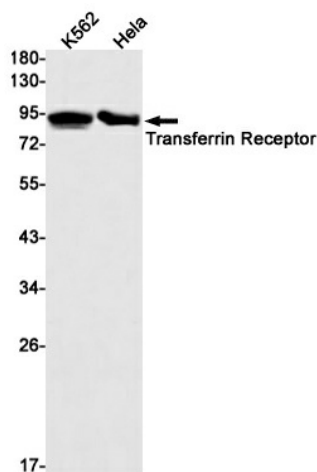
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Background:

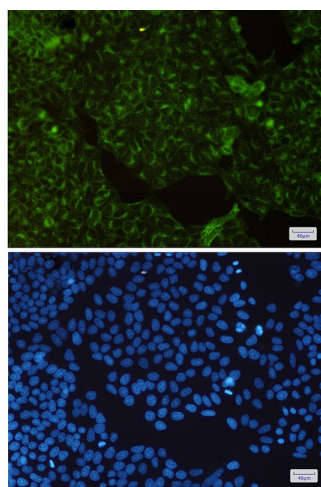
Swiss-Prot Acc.P02786. Cellular uptake of iron occurs via receptor-mediated endocytosis of ligand-occupied transferrin receptor into specialized endosomes. Endosomal acidification leads to iron release. The apotransferrin-receptor complex is then recycled to the cell surface with a return to neutral pH and the concomitant loss of affinity of apotransferrin for its receptor. Transferrin receptor is necessary for development of erythrocytes and the nervous system. A second ligand, the hereditary hemochromatosis protein HFE, competes for binding with transferrin for an overlapping C-terminal binding site. Positively regulates T and B cell proliferation through iron uptake (PubMed:26642240).

Synonyms:

CD71; p90; T9; TfR; TfR1; TR; Trfr

Product images:


Western blot analysis of Transferrin Receptor in K562, HeLa lysates using Transferrin Receptor 1 antibody.



Immunocytochemistry analysis of Transferrin Receptor (green) in HeLa using Transferrin Receptor antibody, and DAPI (blue)