

Transferrin receptor Antibody PE Conjugated

Catalog No: #C00528P

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Description

Product Name	Transferrin receptor Antibody PE Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	FCM
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide aa 620-670 760 derived from human Transferrin receptor
Conjugates	PE
Target Name	Transferrin receptor
Other Names	T9; TR; TFR; p90; CD71; TFR1; TRFR; Transferrin receptor protein 1; TFRC
Accession No.	Swiss-Prot#P02786NCBI Gene ID7037
Uniprot	P02786
GeneID	7037;
Excitation Emission	480,565nm 578nm
Cell Localization	Extracellular
Concentration	1mg ml
Formulation	10mM Tris Buffered Saline containing 1% BSA, 50% glycerol and 0.09% sodium azide.
Storage	Store at 4C for 12 months.

Application Details

FCM: 1:20-100

Background

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 (By similarity). A second ligand, the hereditary hemochromatosis protein HFE, competes for binding with transferrin for an overlapping C-terminal binding site.

Note: This product is for in vitro research use only