Transferrin Receptor (CD71) Conjugated Antibody

Catalog No: #C49320

Package Size: #C49320-AF350 100ul #C49320-AF405 100ul #C49320-AF488 100ul #C49320-AF555 100ul #C49320-AF594 100ul #C49320-AF647 100ul #C49320-AF680 100ul #C49320-AF750 100ul #C49320-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	Transferrin Receptor (CD71) Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	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
Accession No.	Swiss-Prot#:P02786
Uniprot	P02786
GeneID	7037;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	85 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

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.

Note: This product is for in vitro research use only