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 Support: tech@signalwayantibody.com

Description

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 antibody IMD46 antibody OTTHUMP0000208523 antibody oTTHUMP00000208524 antibody TFR1 antibody TFR1_HUMAN antibody FPRC antibody TR antibody TR antibody TFR1 antibody TFR1_HUMAN antibody TFRC antibody TR antibody Transferrin receptor (ppo CD71) antibody Transferrin receptor protein 1, serum form antibody Tfrf antibody Accession No. Swiss-Prot#.P02786 Uniprot P02786 GeneID 7037; Excitation Emission AF350: 346nm/442m AF405: 401nm/421m AF405: 401nm/421m AF364: 591nm/667m AF584: 591nm/667m AF687: 651nm/667m AF680: 679nm/702m AF680: 679nm/702m AF750: 749nm/775m 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	Product Name	Transferrin Receptor (CD71) Conjugated Antibody
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	Calculated MW	85 kDa
Storage Store at 4°C in dark for 6 months	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