



Rabbit Anti-Tfrc monoclonal antibody, clone KG1067 (CABT-L862)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Transferrin Receptor (CD71)
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	KG1067
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, IHC, IP, FC
Molecular Weight	85 kDa
Cellular Localization	Cell membrane, Melanosome, Secreted.
Positive Control	Mouse placenta tissue, rat brain tissue, human lung cancer tissue, mouse brain tissue, mouse placenta tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.

Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	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.
Keywords	CD 71;CD71;CD71 antigen;IMD46;OTTHUMP00000208523;OTTHUMP00000208524;OTTHUMP00000208525;p90;sTfR;T9;T1;TfR;TfR1;TFR1_HUMAN;TFRC;TR;Transferrin receptor (p90 CD71);Transferrin receptor protein 1, serum form;Trfr antibody