

CD71 / Transferrin Receptor Mouse anti-Rat Monoclonal (RPE) Antibody - LS-C43745 - LSBio	
CatalogID:	LS-C43745
Target:	transferrin receptor (TFRC)
Synonyms:	TFRC Antibody, CD71 Antibody, TFR1 Antibody, TRFR Antibody, TFR Antibody, TR Antibody, CD71 antigen Antibody, p90 Antibody, T9 Antibody, Transferrin receptor Antibody, Transferrin receptor protein 1 Antibody
Family / Subfamily:	Protease / Metallopeptidase M28B
Host	TFRC antibody was produced in Mouse
Clonality:	Monoclonal
Isotype:	IgG2a
Conjugations:	R. Phycoerythrin (RPE)
Immunogen Species:	CD71 / Transferrin Receptor antibody was raised against Rat
Antigen Type:	Cells
Immunogen:	CD71 / Transferrin Receptor antibody was raised against pHA activated rat lymphocytes.
Specificity:	Recognizes rat CD71, also known as transferrin receptor, a homodimeric type II transmembrane protein, expressed by all proliferating cells and cells with a requirement for iron, including reticulocytes and capillary endothelium in brain. Clone MRC OX-26 also binds to a number of non-dividing normal tissues. The balance between a sufficient amount of iron uptake and prevention of accumulation of excess iron within a cell, is vitally important to maintain cellular functions such as oxygen and electron transport and mitochondrial energy metabolism, whilst preventing permanent cell and tissue damage. Transferrin receptor (CD71), transferrin and ferritin have been identified as specialized proteins which control the uptake, transport and storage of free iron in tissues, thereby maintaining iron homeostasis. An imbalance in iron homeostasis within the brain has been linked with the neurodegenerative diseases, Alzheimer's, Parkinson's, Huntington's and Multiple Sclerosis. Clone MRC OX-26 is reported as suitable for use in Electron Microscopy
Reactivity:	Rat
Purification:	Protein G purified
Reconstitution:	Distilled Water.
Presentation:	Lyophilized, PBS, pH 7.4, 0.09% sodium azide, 1% BSA.
Usage Summary:	Flow Cytometry: Use 10 ul of the suggested working dilution to label 10 ⁶ cells in 100 ul. Method sheets are available on request.
Uses:	Flow Cytometry (1:1) (Optimal dilution to be determined by the researcher)
Size:	100 tst
Requested From:	Japan

Laboratory Reagent For In Vitro Research Use Only

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