

TFRC monoclonal antibody, clone MEM-75 (APC)

Catalog # MAB5013

Size 100 Reactions

Specification

Product Description	Mouse monoclonal antibody raised against native TFRC.
Immunogen	Native purified TFRC from NALM-6 human pre-B cell line.
Host	Mouse
Theoretical MW (kDa)	95
Reactivity	Human
Specificity	This antibody reacts with CD71 antigen (transferrin receptor), a 95 KDa type II homodimeric transmembrane glycoprotein expressed on activated B and T lymphocytes, macrophages and erythroid precursors; it is lost on resting blood leukocytes. This antibody does not block binding of transferrin to the receptor.
Form	Liquid
Conjugation	APC
Isotype	IgG1
Recommend Usage	Flow Cytometry (10 ul in human blood cells 100 ul in whole blood or 10^6 cells in a suspension) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.2% BSA, 0.09% sodium azide)
Storage Instruction	Store in the dark at 4°C. Do not freeze. Avoid prolonged exposure to light. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Flow Cytometry

Gene Info — TFRC

Entrez GeneID	7037
Gene Name	TFRC
Gene Alias	CD71, TFR, TFR1, TRFR
Gene Description	transferrin receptor (p90, CD71)
Omim ID	190010
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	transferrin receptor

Publication Reference

- [Hsa, an adhesin of Streptococcus gordonii DL1, binds to alpha2-3-linked sialic acid on glycophorin A of the erythrocyte membrane.](#)
 Yajima A, Urano-Tashiro Y, Shimazu K, Takashima E, Takahashi Y, Konishi K.
 Microbiology and Immunology 2008 Feb; 52(2):69.
- [Flow cytometric analysis of human bone marrow perfusion cultures: erythroid development and relationship with burst-forming units-erythroid.](#)
 Rogers CE, Bradley MS, Palsson BO, Koller MR.
 Exp Hematol 1996 Apr; 24(5):597.
- [Cell surface antigen expression in human erythroid progenitors: erythroid and megakaryocytic markers.](#)
 Nakahata T, Okumura N.
 Leukemia & Lymphoma 1994 May; 13(5-6):401.

Pathway

- [Endocytosis](#)
- [Hematopoietic cell lineage](#)

Disease

- [Abortion](#)
- [Adenomatous Polyps](#)
- [Birth Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Hemochromatosis](#)
- [Hepatitis C](#)
- [Hereditary hemochromatosis](#)
- [Hyperparathyroidism](#)
- [Insulin Resistance](#)
- [Iron Overload](#)
- [Leukemia](#)
- [Liver Cirrhosis](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)

- [Myeloproliferative Disorders](#)
- [Ovarian cancer](#)
- [Porphyria](#)
- [Porphyria Cutanea Tarda](#)
- [Pregnancy Complications](#)
- [Pulmonary Disease](#)
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- [Werner syndrome](#)