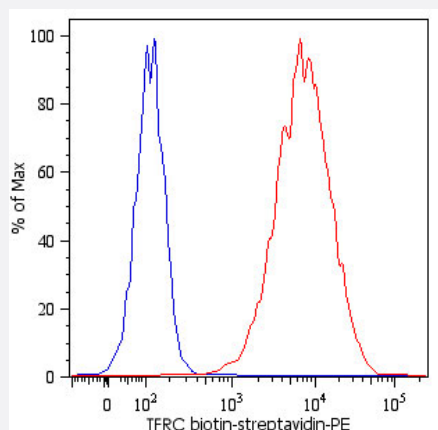


TFRC monoclonal antibody, clone MEM-75 (Biotin)

Catalog # MAB5014 Size 100 ug

Applications



Flow Cytometry

Surface staining of NALM-6 (human peripheral blood pre-B cell leukemia cell line) with TFRC monoclonal antibody, clone MEM-75 (Biotin) (Cat # MAB5014); detection by Streptavidin-PE. Total viable cells were used for analysis.

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	Biotin
Isotype	IgG1

Recommend Usage	Flow Cytometry (1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.09% sodium azide)
Storage Instruction	Store at 4°C. Do not freeze. 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

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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.](#)

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- [Flow cytometric analysis of human bone marrow perfusion cultures: erythroid development and relationship with burst-forming units-erythroid.](#)

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Exp Hematol 1996 Apr; 24(5):597.

- [Cell surface antigen expression in human erythroid progenitors: erythroid and megakaryocytic markers.](#)

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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](#)
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- [Porphyria Cutanea Tarda](#)
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- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)