

Datasheet

TFRC monoclonal antibody, clone MEM-75 (PE)

Catalog Number: MAB5016

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against native TFRC.

Clone Name: MEM-75

Immunogen: Native purified TFRC from NALM-6 human pre-B cell line.

Host: Mouse

Theoretical MW (kDa): 95

Reactivity: Human

Applications: Flow Cyt

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

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: PE

Isotype: IgG1

Recommend Usage: Flow Cytometry (20 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.

Entrez GeneID: 7037

Gene Symbol: TFRC

Gene Alias: CD71, TFR, TFR1, TRFR

References:

1. Hsa, an adhesin of *Streptococcus gordonii* DL1, binds to alpha2-3-linked sialic acid on glycoprotein A of the erythrocyte membrane. Yajima A, Urano-Tashiro Y, Shimazu K, Takashima E, Takahashi Y, Konishi K. *Microbiol Immunol.* 2008 Feb;52(2):69-77.
2. 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):597-604.
3. Cell surface antigen expression in human erythroid progenitors: erythroid and megakaryocytic markers. Nakahata T, Okumura N. *Leuk Lymphoma.* 1994 May;13(5-6):401-9.