

36-3237: Anti-CD71 / Transferrin Receptor (TFRC) Monoclonal Antibody(Clone: TFRC/1059)-CF488

Clonality :	Monoclonal
Clone Name :	TFRC/1059
Application :	FACS,IF
Reactivity :	Human
Conjugate :	CF488
Gene :	TFRC
Gene ID :	7037
Uniprot ID :	P02786
Alternative Name :	Mtvr-1, p90, TFR1, TFRC transferrin receptor (p90 CD71), TRFR
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Recombinant human TFRC protein

Description

It recognizes a ~90-95kDa protein which is identified as cell surface transferrin receptor (CD71), a disulfide-bonded homodimeric glycoprotein of 180-190kDa. This MAb is highly specific to CD71 and shows no cross-reaction with other related proteins. Its epitope is localized in the extracellular domain of CD71. Ligand for transferrin receptor is the serum iron transport protein, transferrin. This receptor is broadly distributed in carcinomas, sarcomas, leukemias, and lymphomas. CD71/Transferrin receptor has been reported to be associated with cell proliferation in both normal and neoplastic tissues and useful in predicting clinical behavior or response to therapy in a number of malignancies including breast cancer.

Product Info

Amount :	0.5 ml at 100µg/ml
Content :	Antibody Purified from Bioreactor Concentrate by Protein A/G and conjugated to various reporter molecules. Prepared in 10mM PBS with 0.05% BSA and 0.05% azide. Contact us if you require this Ab in a different format.
Storage condition :	Antibody with azide - store at 4 to 8°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

Flow Cytometry (5ul per test per one million cells or 5ul per 100ul of whole blood);Immunofluorescence (1:50-1:100);

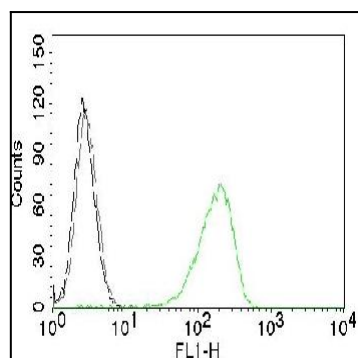


Fig. 1: Flow Cytometry of human CD71 on Jurkat cells. Black: cells alone; Grey: Isotype Control; Green: CF488-labeled CD71 Monoclonal Antibody (TFRC/1059).