CD71 / Transferrin Receptor (TFRC) Antibody

Mouse Monoclonal Antibody [Clone TFRC/1059]

Catalog No	Format	Size
7037-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug
7037-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7037-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug

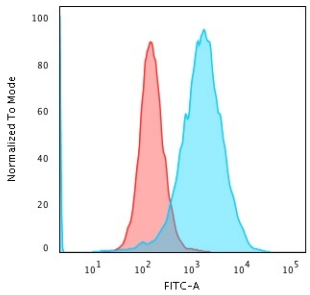
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

Product Details

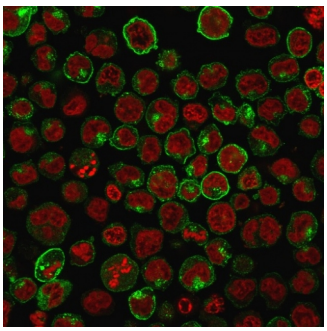
Clone	TFRC/1059
Gene Name	TFRC
Immunogen	Recombinant human TFRC protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	85-95kDa (monomer); 190kDa (dimer)
Cellular Localization	Cell membrane, Cell surface, Melanosome, Secreted
Species Reactivity	Human
Positive Control	CCRF-CEM, Jurkat or K562 cells.

**Optimal dilution for a specific application should be determined.*

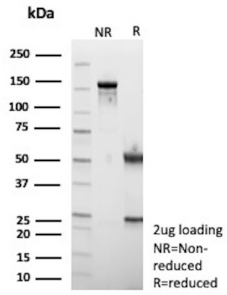
Product Images for CD71 / Transferrin Receptor (TFRC) Antibody



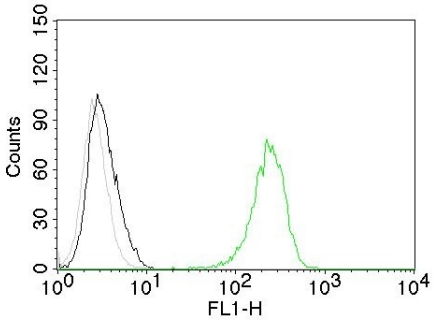
Flow Cytometric Analysis of PFA-fixed K562 cells using CD71 Mouse Monoclonal Antibody (TFRC/1059) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Immunofluorescence Analysis of K562 cells labeling CD71 with CD71 Mouse Monoclonal Antibody (TFRC/1059) followed by goat anti-mouse IgG-CF488 (green). The nuclear counterstain is RedDot (red).



SDS-PAGE Analysis Purified CD71 Mouse Monoclonal Antibody (TFRC/1059). Confirmation of Purity and Integrity of Antibody.



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

Specificity & Comments

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.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cancer, Cardiovascular, Signal Transduction

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.