CD71 / Transferrin Receptor (TFRC) Antibody

Mouse Monoclonal Antibody [Clone DF1513]

Catalog No	Format	Size
7037-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7037-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7037-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

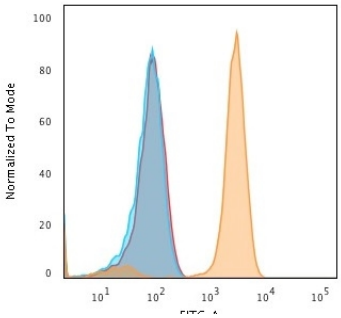
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Western Blot (WB)	2-4ug/ml	

Product Details

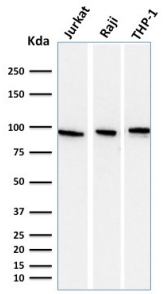
Clone	DF1513
Gene Name	TFRC
Immunogen	KG1 acute myeloid leukemia cell line
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	85-95kDa (monomer); 190kDa (dimer)
Cellular Localization	Cell membrane, Melanosome, Secreted
Species Reactivity	Human
Positive Control	CCRF-CEM, Jurkat or K-562. Human placenta or breast carcinoma.

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

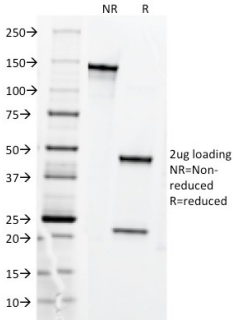
Product Images for CD71 / Transferrin Receptor (TFRC) Antibody



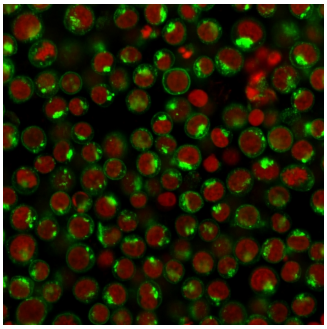
Flow Cytometric Analysis of human Jurkat cells using CD71 Mouse Monoclonal antibody (DF1513) followed by Goat anti-Mouse IgG-CF488 (Orange); cells alone (Blue); Isotype Control (Red).



Western Blot Analysis of Jurkat, Raji, and THP-1 cell lysate using CD71 Mouse Monoclonal antibody (DF1513).



SDS-PAGE Analysis of Purified CD71 Mouse Monoclonal antibody (DF1513). Confirmation of Purity and Integrity of Antibody.



Immunofluorescence Analysis of Human Jurkat cells labeling CD71 with CD71 Mouse Monoclonal antibody (DF1513) followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Reddot (Red)

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 (Workshop IV). This MAb is highly specific to CD71 and shows no cross-reaction with other related proteins. 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.