

Datasheet for ABIN6940695

anti-Transferrin Receptor antibody

3 Images



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Transferrin Receptor (TFRC)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Transferrin Receptor antibody is un-conjugated
Application:	Flow Cytometry (FACS), ELISA, Immunofluorescence (IF), Coating (Coat)

Product Details

Immunogen:	Human thymocytes (T-cells)
Clone:	66IG10
Isotype:	IgG1 kappa
Specificity:	It recognizes a ~90-95 kDa protein which is identified as cell surface transferrin receptor (CD71), a disulfide-bonded homodimeric glycoprotein of 180-190 kDa. 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.
Purification:	Purified by Protein A/G

Target Details

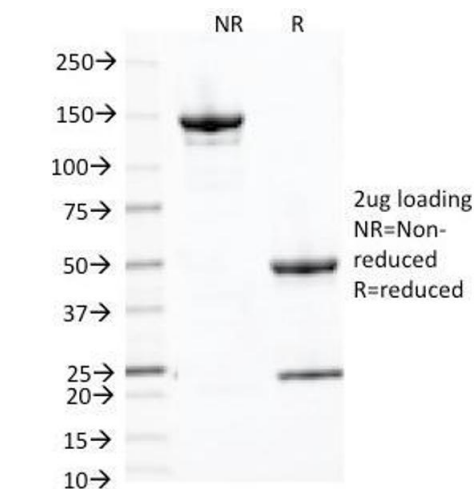
Target:	Transferrin Receptor (TFRC)
Alternative Name:	TFRC (TFRC Products)
Molecular Weight:	85-95kDa (monomer), 190kDa (dimer)
Gene ID:	7037
UniProt:	P02786
Pathways:	Transition Metal Ion Homeostasis

Application Details

Application Notes:	Positive Control: CCRF-CEM, Jurkat or K-562. Human placenta or breast carcinoma. Known Application: ELISA (Use Ab at 2-4 µg/mL for coating) (Order Ab without BSA),Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

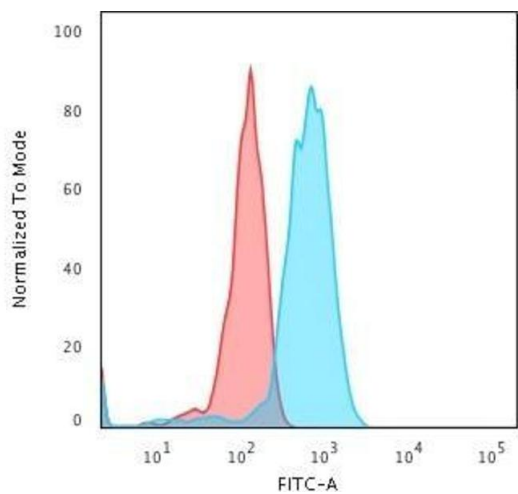
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	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.
Expiry Date:	24 months



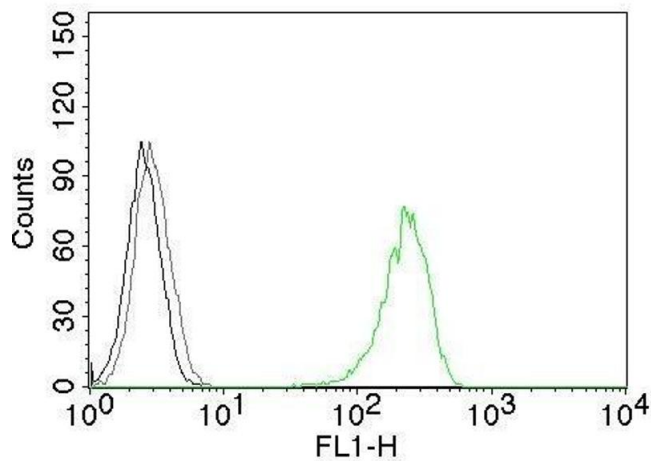
SDS-PAGE

Image 1. SDS-PAGE Analysis Purified CD71 Mouse Monoclonal Antibody (66IG10). Confirmation of Purity and Integrity of Antibody.



Flow Cytometry

Image 2. Flow Cytometric Analysis of Jurkat cells. CD71 Mouse Monoclonal Antibody (66IG10) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Flow Cytometry

Image 3. Flow Cytometry of human CD71 on K562 cells. Black: cells alone; Grey: Isotype Control; Green: AF488-labeled CD71 Mouse Monoclonal Antibody (66IG10).