

Datasheet for ABIN6940694  
**anti-Transferrin Receptor antibody**

## 4 Images

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## 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), Western Blotting (WB), Immunofluorescence (IF)

## Product Details

Immunogen:	KG1 acute myeloid leukemia cell line
Clone:	DF1513
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 (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.
Purification:	Purified by Protein A/G

## Target Details

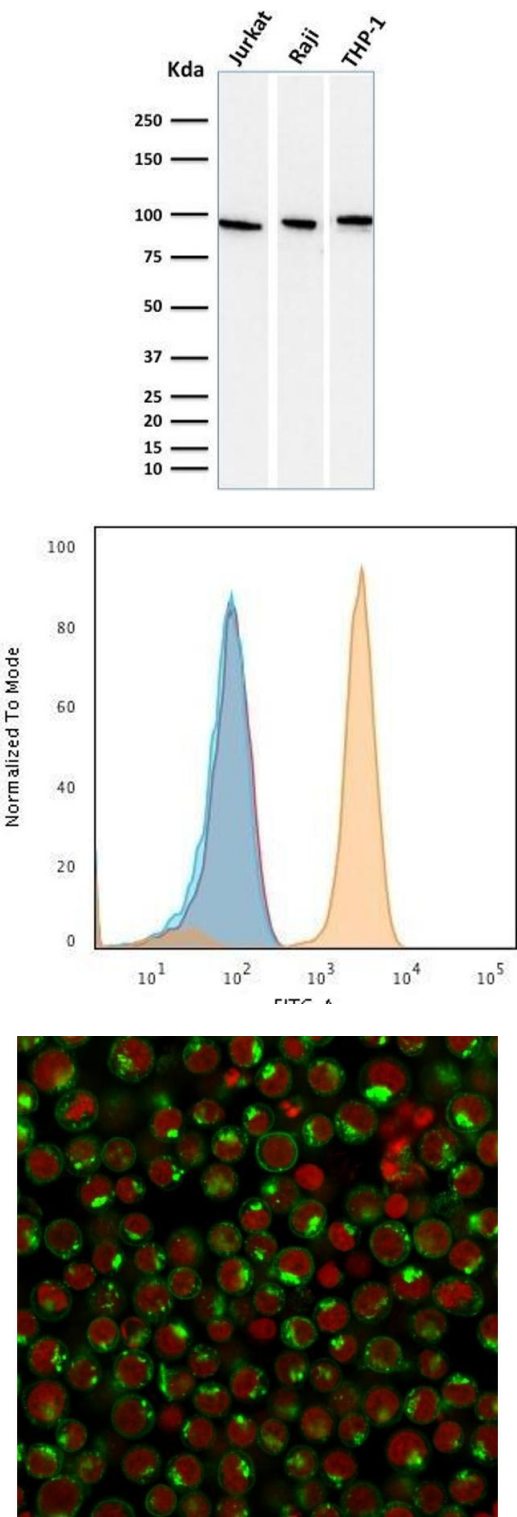
Target:	Transferrin Receptor (TFRC)
Alternative Name:	TFRC ( <a href="#">TFRC Products</a> )
Molecular Weight:	85-95kDa (monomer), 190kDa (dimer)
Gene ID:	7037
UniProt:	<a href="#">P02786</a>
Pathways:	<a href="#">Transition Metal Ion Homeostasis</a>

## Application Details

Application Notes:	Positive Control: CCRF-CEM, Jurkat or K-562. Human placenta or breast carcinoma. Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (1-2 µg/mL), Western Blot (0.5-1.0 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



### Western Blotting

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

### Flow Cytometry

**Image 2.** 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).

### Immunofluorescence

**Image 3.** 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)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6940694.