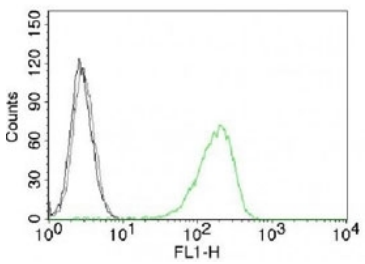
Transferrin Receptor Antibody / CD71 [clone 66IG10] (V2261)

Catalog No.	Formulation	Size
V2261-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2261-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2261SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

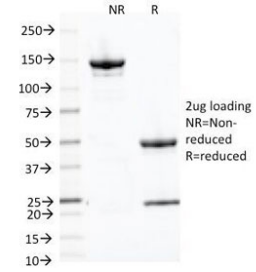
Citations (6)

Bulk quote request

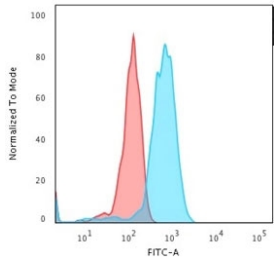
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	66IG10
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	7037
Localization	Cell surface
Applications	ELISA : 2-4ug/ml (order BSA/azide-free format) Flow Cytometry : 1-2ug/10^6 cells Immunofluorescence : 1-2ug/ml
Limitations	This **Transferrin receptor antibody** is available for research use only.



FACS testing of K562 cells with Alexa Fluor 488 conjugated Transferrin receptor antibody (green) and isotype control (gray).



SDS-PAGE Analysis of Purified, BSA-Free Transferrin Receptor Antibody (clone 66IG10). Confirmation of Integrity and Purity of the Antibody.



FACS testing of human Jurkat cells with CF488 conjugated Transferrin receptor antibody (blue) and isotype control (red).

Description

This antibody recognizes a ~85-95kDa protein which is identified as cell surface Transferrin receptor (CD71), a disulfide-bonded homodimeric glycoprotein of 180-190kDa. The antibody is highly specific to transferrin receptor and shows no cross-reaction with other related proteins. Its epitope is localized in the extracellular domain of transferrin receptor. Its ligand is the serum iron transport protein, transferrin. This receptor is broadly distributed in carcinomas, sarcomas, leukemias, and lymphomas. 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.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the Transferrin receptor antibody to be titered up or down for optimal performance.

Immunogen

Recombinant human protein was used as the immunogen for this Transferrin receptor antibody.

Storage

Store the Transferrin receptor antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

Mtvr-1, p90, TFR1, CD71, TRFR, Transferrin receptor antibody

References (1)