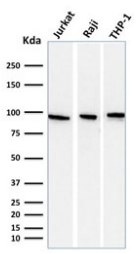
Transferrin Receptor Antibody / CD71 [clone DF1513] (V2260)

Catalog No.	Formulation	Size
V2260-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2260-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2260SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

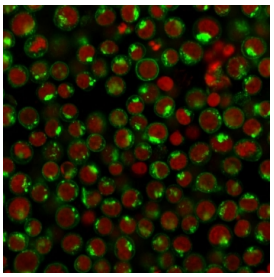
Citations (7)

Bulk quote request

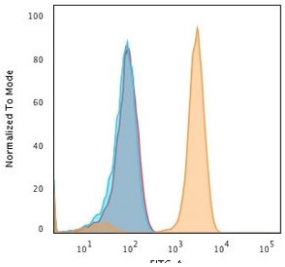
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	DF1513
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	7037
Localization	Cell surface
Applications	Flow cytometry: 1-2ug/million cells Immunofluorescence: 1-3ug/ml Western blot: 1-2ug/ml
Limitations	This **Transferrin receptor antibody** is available for research use only.



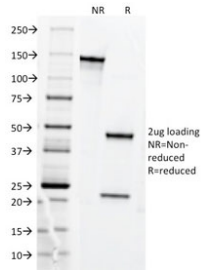
Western blot testing of human 1) Jurkat, 2) Raji and 3) ThP-1 cell lysate with Transferrin receptor antibody (clone DF1513). Predicted molecular weight: 85-95 kDa.



Immunofluorescent staining of human Jurkat cells with Transferrin receptor antibody (clone DF1513, green) and Reddot nuclear stain (red).



Flow cytometry staining of human Jurkat cells with Transferrin receptor antibody; Red=isotype control, Blue= cells alone and Orange= Transferrin receptor antibody.



SDS-PAGE analysis of purified, BSA-free Transferrin receptor antibody (clone DF1513) as confirmation of integrity and purity.

Description

This antibody recognizes a ~85-95 kDa protein which is identified as cell surface transferrin receptor (CD71), a disulfide-bonded homodimeric glycoprotein of 180-190kDa (Workshop IV). The antibody is highly specific to transferrin receptor 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. 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 antibody to be titered up or down for optimal performance.

Immunogen

The KG1 acute myeloid leukemia cell line 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, TFRC transferrin receptor (p90 CD71), TRFR, Transferrin receptor antibody

References (3)

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