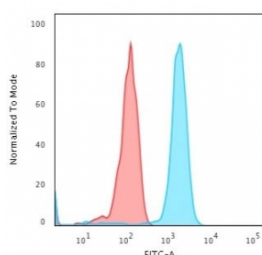


CD71 Antibody / Transferrin Receptor [clone TFRC/1396] (V3294)

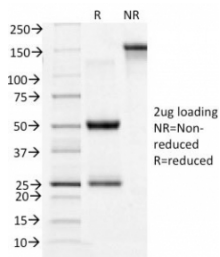
Catalog No.	Formulation	Size
V3294-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3294-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3294SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	TFRC/1396
Purity	Protein G affinity chromatography
UniProt	P02786
Localization	Cell surface
Applications	Flow Cytometry : 1-2ug/10 ⁶ cells Immunofluorescence : 1-3ug/ml Immunohistochemistry : 1-2ug/ml
Limitations	This CD71 antibody is available for research use only.



Flow cytometry staining of human Jurkat cells with CD71 antibody; Red=isotype control, Blue= CD71 antibody.



SDS-PAGE Analysis of Purified, BSA-Free CD71 Antibody (clone TFRC/1396).
Confirmation of Integrity and Purity of the Antibody.

Description

It recognizes a ~90-95kDa protein which is identified as cell surface transferrin receptor (CD71), a disulfide-bonded homodimeric glycoprotein of 180-190kDa. 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.

Application Notes

Optimal dilution of the CD71 antibody should be determined by the researcher.

HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Immunogen

Recombinant human protein was used as the immunogen for the CD71 antibody.

Storage

Store the CD71 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).