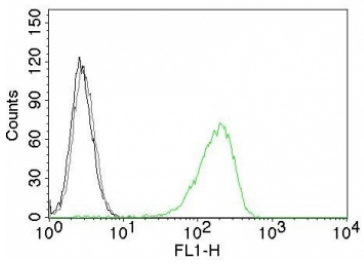
CD71 Antibody / Transferrin Receptor [clone TFRC/1059] (V2881CF488)

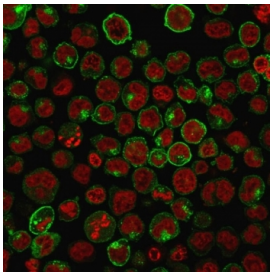
Catalog No.	Formulation	Size
V2881CF488-100T	500 ul at 0.1 mg/ml with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 Tests

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	CF488 Conjugate
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	TFRC/1059
Purity	Protein G affinity chromatography
UniProt	P02786
Localization	Cell surface
Applications	Flow cytometry: 1-2ug/million cells Immunofluorescence: 1-3ug/ml
Limitations	This CD71 antibody is available for research use only.



Flow cytometry testing of Jurkat cells. Black: cells alone; Grey: isotype control; Green: CF488-labeled Transferrin Receptor / CD71 antibody (clone TFRC/1059).



Immunofluorescent staining of PFA-fixed human K562 cells with unlabeled Transferrin Receptor antibody (clone TFRC/1059, green) and Reddot nuclear stain (red).

Description

It recognizes a ~90-95 kDa 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. 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.

Application Notes

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

Immunogen

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

Storage

Store the CD71 antibody at 2-8oC, protected from light.

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