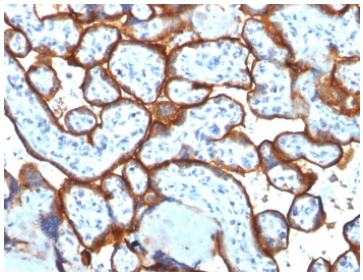
CD71 Antibody / Transferrin Receptor (Extracellular domain) [clone TFRC/1817] (V3480)

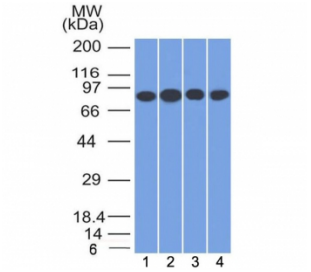
Catalog No.	Formulation	Size
V3480-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3480-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3480SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3480IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

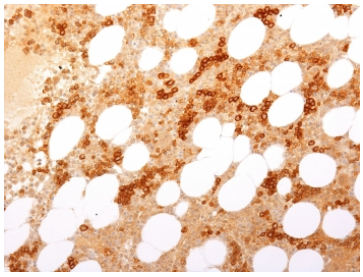
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	TFRC/1817
Purity	Protein G affinity chromatography
UniProt	P02786
Localization	Cell surface
Applications	ELISA: 2-4ug/ml (order BSA/azide-free format) Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT Western blot: 0.5-1ug/ml
Limitations	This CD71 antibody is available for research use only.



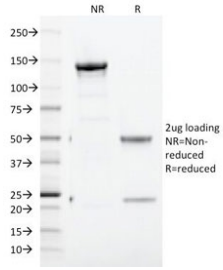
IHC testing of FFPE human placenta tissue with Transferrin Receptor / CD71 antibody (clone TFRC/1817). Required HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH 9, for 10-20 min followed by cooling at RT for 20 min.



Western blot testing of human 1) Jurkat, 2) HeLa, 3) MCF7 and K562 cell lysate with CD71 antibody (clone TFRC/1817). Predicted molecular weight: 85-95 kDa.



IHC testing of FFPE human bone marrow with Transferrin Receptor / CD71 antibody (clone TFRC/1817). Required HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH 9, for 10-20 min followed by cooling at RT for 20 min.



SDS-PAGE Analysis of Purified, BSA-Free CD71 Antibody (clone TFRC/1817). Confirmation of Integrity and Purity of the Antibody.

Description

It recognizes a ~85-95kDa 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.

Immunogen

Amino acids 94-212 (extracellular domain) of the human protein were used as the immunogen for the Transferrin Receptor / CD71 antibody.

Storage

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

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