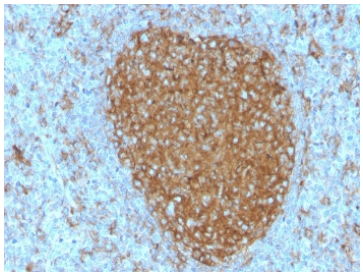
CD71 Antibody [clone TFRC/3630] (V8479)

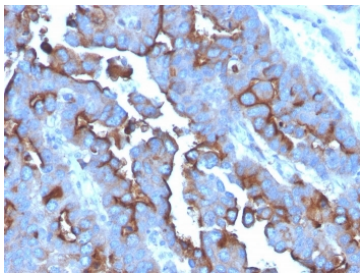
Catalog No.	Formulation	Size
V8479-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8479-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8479SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	TFRC/3630
Purity	Protein G affinity chromatography
UniProt	P02786
Localization	Cell surface
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 minutes at RT
Limitations	This CD71 antibody is available for research use only.



IHC staining of FFPE human tonsil with CD71 antibody (clone TFRC/3630). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



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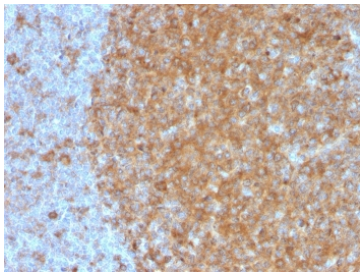

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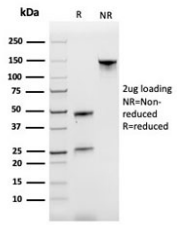

SDS-PAGE analysis of purified, BSA-free CD71 antibody (clone TFRC/3630) as confirmation of integrity and purity.

Description

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

The acute myeloid leukemia cell line KG1 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).

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