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36-3240: Anti-CD71 / Transferrin Receptor (TFRC) (Extracellular Domain) Monoclonal Antibody(Clone: TFRC/1817)

Clonality :	Monoclonal
Clone Name :	TFRC/1817
Application :	ELISA,IHC,WB
Reactivity :	Human
Gene :	TFRC
Gene ID :	7037
Uniprot ID :	P02786
Alternative Name :	Mtvr-1, p90, TFR1, TFRC transferrin receptor (p90 CD71), TRFR
Isotype :	Mouse IgG2b, kappa
Immunogen Information :	Recombinant extracellular fragment (around aa 94-212) of human TFRC protein (exact sequence is proprietary)

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.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

ELISA (Use Ab at 2-4ug/ml for coating) (Order Ab without BSA); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes) Western Blot (1-2ug/ml);

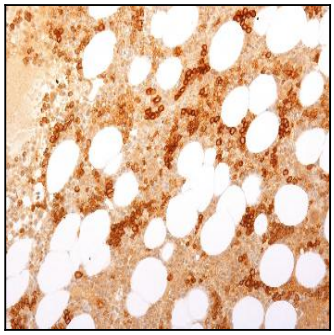


Fig. 1: Formalin-fixed, paraffin-embedded human Bone Marrow stained with CD71 Mouse Monoclonal Antibody (TFRC/1817).

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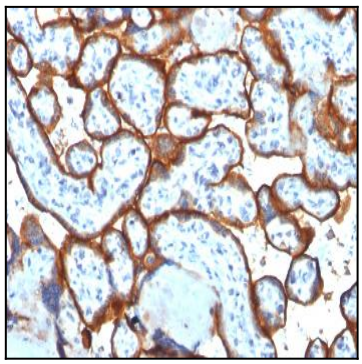


Fig. 2: Formalin-fixed, paraffin-embedded human Placenta stained with CD71 Mouse Monoclonal Antibody (TFRC/1817).

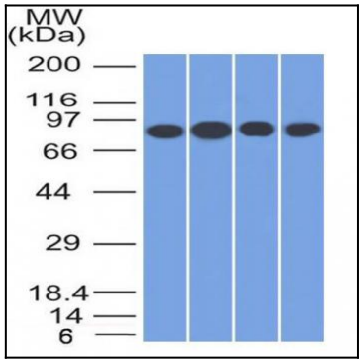


Fig. 3: Western Blot Analysis of A) Jurkat (B) HeLa (C) MCF-7 & (D) K562 cell lysate using CD71 Mouse Monoclonal Antibody (TFRC/1817).

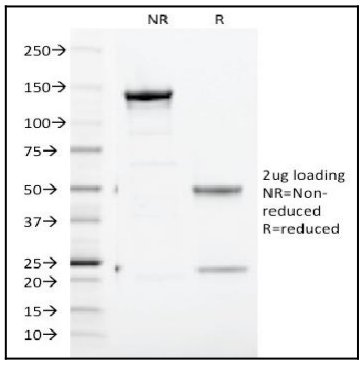


Fig. 4: SDS-PAGE Analysis Purified CD71 Mouse Monoclonal Antibody (TFRC/1817). Confirmation of Purity and Integrity of Antibody.

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