

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

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

Clone Name : 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);

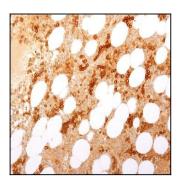


Fig. 1: Formalin-fixed, paraffin-embedded human Bone Marrow stained with CD71 Mouse Monoclonal Antibody (TFRC/1817).



9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

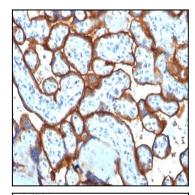


Fig. 2: Formalin-fixed, paraffin-embedded human Placenta stained with CD71 Mouse Monoclonal Antibody (TFRC/1817).

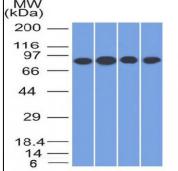


Fig. 3: Western Blot Analysis of A) Jurkat (B) HeLa (C) MCF-7 & (D) K562 cell lysate using CD71 Mouse Monoclonal Antibody (TFRC/1817).

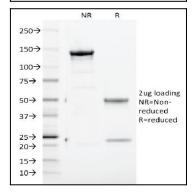


Fig. 4: SDS-PAGE Analysis Purified CD71 Mouse Monoclonal Antibody (TFRC/1817). Confirmation of Purity and Integrity of Antibody.