

Datasheet for ABIN6940699

anti-Transferrin Receptor antibody (AA 94-212)**4** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Transferrin Receptor (TFRC)
Binding Specificity:	AA 94-212
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Transferrin Receptor antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Coating (Coat), Staining Methods (StM)

Product Details

Immunogen:	Recombinant extracellular fragment (around aa 94-212) of human TFRC protein (exact sequence is proprietary)
Clone:	TFRC-1817
Isotype:	IgG2b kappa
Specificity:	It recognizes a ~90-95 kDa protein which is identified as cell surface transferrin receptor (CD71), a disulfide-bonded homodimeric glycoprotein of 180-190 kDa. 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

Product Details

useful in predicting clinical behavior or response to therapy in a number of malignancies including breast cancer.

Purification: Purified by Protein A/G

Target Details

Target: Transferrin Receptor (TFRC)

Alternative Name: TFRC ([TFRC Products](#))

Molecular Weight: 85-95kDa (monomer), 190kDa (dimer)

Gene ID: 7037

UniProt: [P02786](#)

Pathways: [Transition Metal Ion Homeostasis](#)

Application Details

Application Notes: Positive Control: Jurkat, HeLa, MCF-7 or K562 cells. Human placenta or Bone Marrow.
Known Application: ELISA (Use Ab at 2-4 µg/mL for coating) (Order Ab without BSA),
Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes) Western Blot (0.5-1.0 µg/mL)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

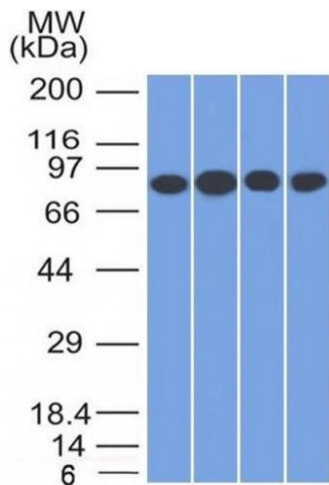
Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

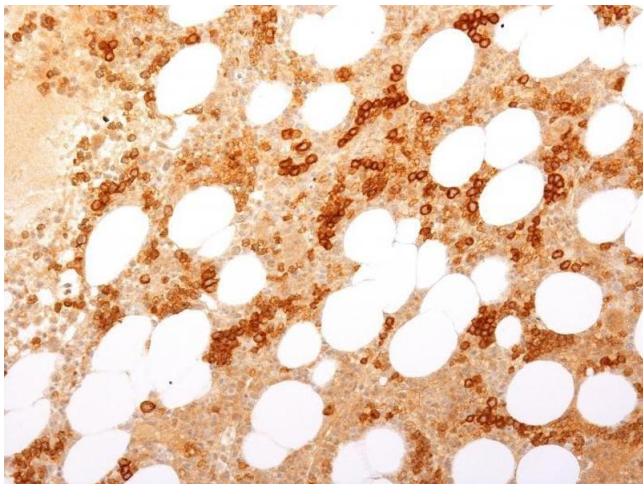
Storage: 4 °C,-80 °C

Storage Comment: 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. No MSDS required.



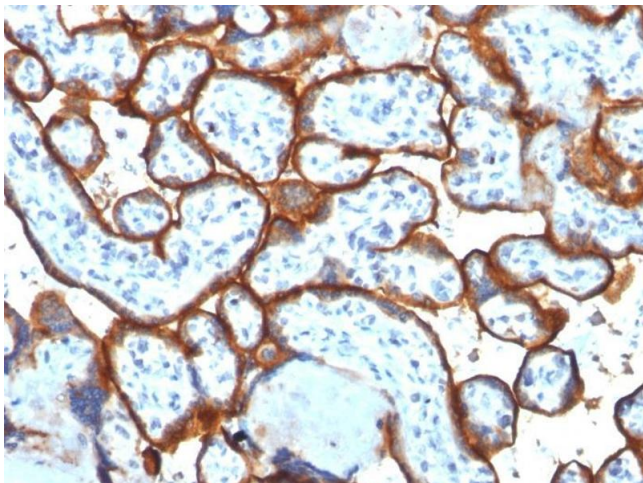
Western Blotting

Image 1. Western Blot Analysis of A) Jurkat (B) HeLa (C) MCF-7 & (D) K562 cell lysate using CD71 Mouse Monoclonal Antibody (TFRC/1817).



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Bone Marrow stained with CD71 Mouse Monoclonal Antibody (TFRC/1817).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Placenta stained with CD71 Mouse Monoclonal Antibody (TFRC/1817).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6940699.