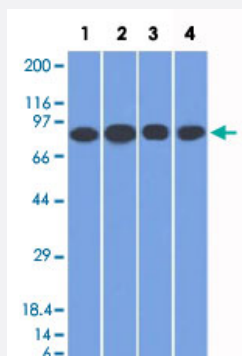


TFRC monoclonal antibody, clone TFRC/1817

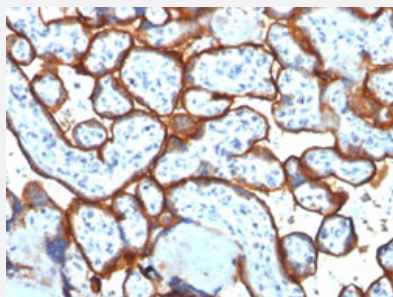
Catalog # MAB15003 Size 100 ug

Applications



Western Blot (Cell lysate)

Western Blot analysis of Lane 1: Jurkat, Lane 2: HeLa, Lane 3: MCF-7 and Lane 4: K562 cell lysates with TFRC monoclonal antibody, clone TFRC/1817 (Cat # MAB15003).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human placenta with TFRC monoclonal antibody, clone TFRC/1817 (Cat # MAB15003).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human TFRC.
Immunogen	Recombinant protein corresponding to amino acids 94-212 of human TFRC.
Host	Mouse
Theoretical MW (kDa)	85-95, 190
Reactivity	Human
Form	Liquid

Purification	Protein A/G purification
Isotype	IgG2b, kappa
Recommend Usage	ELISA (2-4 ug/mL for coating) Flow Cytometry (0.5-1 ug/10 ⁶ cells in 0.1 mL) Immunofluorescence (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL) Western Blotting (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS.
Storage Instruction	Store at -20 to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

Western Blot analysis of Lane 1: Jurkat, Lane 2: HeLa, Lane 3: MCF-7 and Lane 4: K562 cell lysates with TFRC monoclonal antibody, clone TFRC/1817 (Cat # MAB15003).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human placenta with TFRC monoclonal antibody, clone TFRC/1817 (Cat # MAB15003).

- Immunofluorescence

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Gene Info — TFRC

Entrez GeneID	7037
Protein Accession#	P02786
Gene Name	TFRC
Gene Alias	CD71, TFR, TFR1, TRFR
Gene Description	transferrin receptor (p90, CD71)

Omim ID	190010
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	transferrin receptor

Publication Reference

- [Expression of neural cell adhesion molecule-related sialoglycoprotein in small cell lung cancer and neuroblastoma cell lines H69 and CHP-212.](#)

Moolenaar CE, Muller EJ, Schol DJ, Figdor CG, Bock E, Bitter-Suermann D, Michalides RJ.
Cancer Research 1990 Feb; 50(4):1102.

- [Determination of transferrin receptors on frozen sections of malignant B-cell lymphomas by immunofluorescence with a monoclonal antibody.](#)

Oudemans PB, Brutel de la Rivière G, Hart GA, van Heerde P, Scholte G, Vroom TM.
Cancer 1986 Sep; 58(6):1252.

Pathway

- [Endocytosis](#)
- [Hematopoietic cell lineage](#)

Disease

- [Abortion](#)
- [Adenomatous Polyps](#)
- [Birth Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)

- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Hemochromatosis](#)
- [Hepatitis C](#)
- [Hereditary hemochromatosis](#)
- [Hyperparathyroidism](#)
- [Insulin Resistance](#)
- [Iron Overload](#)
- [Leukemia](#)
- [Liver Cirrhosis](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Myeloproliferative Disorders](#)
- [Ovarian cancer](#)
- [Porphyria](#)
- [Porphyria Cutanea Tarda](#)
- [Pregnancy Complications](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)