

Datasheet for ABIN1724899

anti-Transferrin Receptor antibody (AA 608-727)[Go to Product page](#)

4 Images

2 Publications

Overview

Quantity:	0.1 mg
Target:	Transferrin Receptor (TFRC)
Binding Specificity:	AA 608-727
Reactivity:	Human, Mouse, Rat, Monkey
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Transferrin Receptor antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Purified recombinant fragment of human TFRC (AA: 608-727) expressed in E. coli.
Clone:	1A1B2
Isotype:	IgG1
Purification:	purified

Target Details

Target:	Transferrin Receptor (TFRC)
Alternative Name:	TFRC (TFRC Products)
Background:	Description: Transferrin receptor is a carrier protein for transferrin. It is needed for the import of iron into the cell and is regulated in response to intracellular iron concentration. Low iron

Target Details

concentrations promote increased levels of transferrin receptor, to increase iron intake into the cell. Thus, transferrin receptor maintains cellular iron homeostasis. Expression of human TFR1, but not human TFR2, in hamster cell lines markedly enhanced the infection of viruses pseudotyped with the glycoprotein of Machupo, Guanarito, and Junin viruses, but not with those of Lassa or lymphocytic choriomeningitis viruses. An anti-TFR1 antibody efficiently inhibited the replication of Machupo, Guanarito, Junin, and Sabia viruses, but not that of Lassa virus. TFR1 is a cellular receptor for New World hemorrhagic fever arenaviruses. , , Aliases: T9, TR, TFR, p90, CD71, TFR1, TRFR

Molecular Weight: 85 kDa

Gene ID: 7037

HGNC: 7037

Pathways: [Transition Metal Ion Homeostasis](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified antibody in PBS with 0.05 % sodium 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/-20 °C

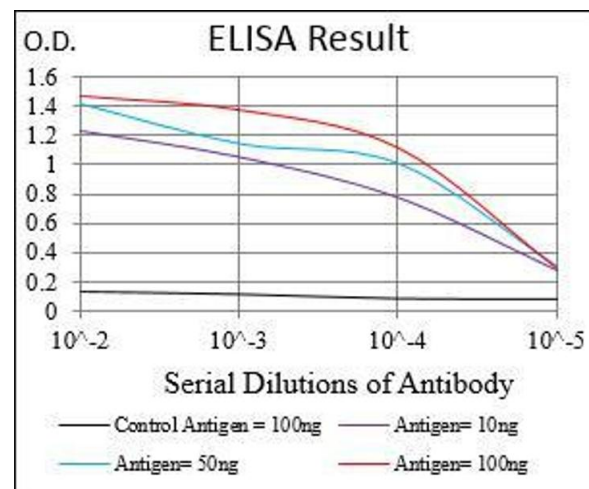
Storage Comment: 4°C, -20°C for long term storage

Publications

Product cited in: Nunez, Siegal, Reddy, Wei: "CD138 (syndecan-1) expression in bone-forming tumors." in: **American journal of clinical pathology**, Vol. 137, Issue 3, pp. 423-8, (2012) ([PubMed](#)).

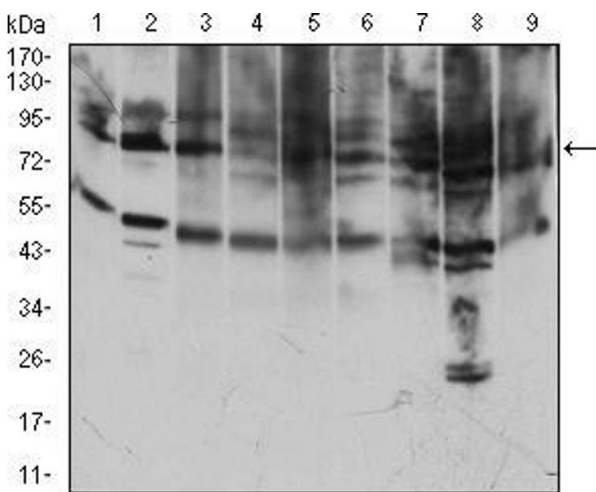
Karasneh, Ali, Shukla: "An important role for syndecan-1 in herpes simplex virus type-1 induced

Images



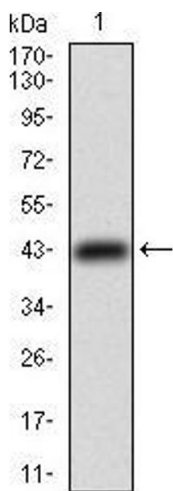
ELISA

Image 1. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



Western Blotting

Image 2. Western blot analysis using TFRC mouse mAb against Jurkat (1), Hela (2), K562 (3), Cos7 (4), MCF-7 (5), PC-12 (6), NIH/3T3 (7), HEK293 (8), RAJI (9) cell lysate.



Western Blotting

Image 3. Western blot analysis using TFRC mAb against human TFRC recombinant protein. (Expected MW is 39.7 kDa)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN1724899.