

Mouse Monoclonal Antibody to TFRC

Catalogue Number	sAP-0855
Target Molecule	Name: TFRC Aliases: T9; TR; TFR; p90; CD71; TFR1; TRFR MW: 85kDa Entrez Gene ID: 7037
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 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. ; ;
Immunogen	Purified recombinant fragment of human TFRC (AA: 608-727) expressed in E. Coli.
Recitative Species	Human; Mouse; Monkey; Rat;
Clone	MM1A1B2;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
Reconstitution/Storages	Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Folia Histochem Cytobiol. 2012 Jul 5;50(2):304-11. ; 2. J Biol Chem. 2011 Oct 14;286(41):35708-15. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**