

## Mouse Monoclonal Antibody to TFRC

<b>Catalogue Number</b>	sAP-0855
<b>Target Molecule</b>	<p><b>Name:</b> TFRC</p> <p><b>Aliases:</b> T9; TR; TFR; p90; CD71; TFR1; TRFR</p> <p><b>MW:</b> 85kDa</p> <p><b>Entrez Gene ID:</b> 7037</p>
<b>Description</b>	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. ; ;
<b>Immunogen</b>	Purified recombinant fragment of human TFRC (AA: 608-727) expressed in E. Coli.
<b>Reactive Species</b>	Human; Mouse; Monkey; Rat;
<b>Clone</b>	MM1A1B2;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	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**