bsm-52793R

[Primary Antibody]

www.bioss.com.cn sales@bioss.com.cn techsupport@bioss.com.cn 400-901-9800

TFRC Recombinant Rabbit mAb

DATASHEET -

Host: Rabbit Isotype: IgG Clonality: Recombinant CloneNo.: 8G6 **GeneID:** 7037 **SWISS:** P02786

Target: TFRC

Immunogen: A synthesized peptide derived from human Transferrin receptor:

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

Background: This gene encodes a cell surface receptor necessary for cellular iron uptake by the process of receptor-mediated endocytosis. This

receptor is required for erythropoiesis and neurologic

development. Multiple alternatively spliced variants have been

identified. [provided by RefSeq, Sep 2015]

Applications: WB (1:500-2000)

Flow-Cyt (1µg/Test) ICC/IF (1:50-200)

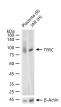
Reactivity: Human, Rat

(predicted: Mouse)

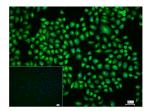
Predicted MW.:

Subcellular Secreted ,Cell membrane

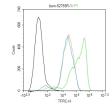
VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with TFRC monoclonal antibody, unconjugated (bsm-52793R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



4% Paraformaldehyde-fixed Hela (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (TFRC) monoclonal Antibody, unconjugated (bsm-52793R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-40295G-FITC) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.



The Jar (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C.the cells then were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.).Primary Antibody (green):Rabbit Anti-TFRC antibody (bsm-52793R): 1 μg/10^6 cells; Secondary Antibody (white blue): Goat anti-Rabbit IgG-FITC (bs-40295G-FITC): 1 µg/test. Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.

- SELECTED CITATIONS -

- [IF=17.1] Lei Liu. et al. Myricetin Oligomer Triggers Multi-Receptor Mediated Penetration and Autophagic Restoration of Blood-Brain Barrier for Ischemic Stroke Treatment. ACS NANO. 2024;XXXX(XXX):XXX-XXX WB; Mouse. 38533773
- [IF=14.7] Yanhong Xing. et al. Lysosomes finely control macrophage inflammatory function via regulating the release of lysosomal Fe²⁺ through TRPML1 channelNAT COMMUN. 2025 Jan 24:16(1):985. Western blot: Mouse. 39856099