

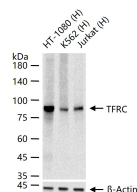
bs-0988R**[Primary Antibody]****TFRC Rabbit pAb****Bioss**
ANTIBODIES

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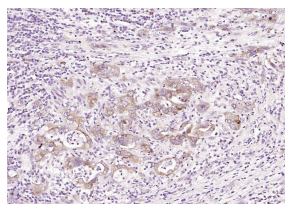
sales@bioss.com.cn

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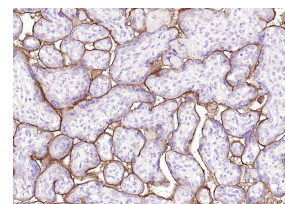
400-901-9800

DATASHEET**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 7037**SWISS:** P02786**Target:** TFRC**Immunogen:** KLH conjugated synthetic peptide derived from human Transferrin receptor: 621-720/760. < Extracellular >**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)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (1:100-200)**Reactivity:** Human, Mouse**Predicted MW.:** 74/85 kDa**Observed MW.:** 85 kDa**Subcellular Location:** Secreted ,Cell membrane**VALIDATION IMAGES**

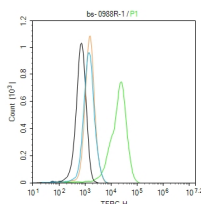
25 ug total protein per lane of various lysates (see on figure) probed with TFRC polyclonal antibody, unconjugated (bs-0988R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



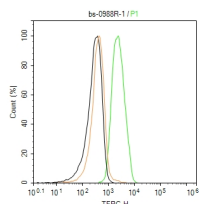
Paraformaldehyde-fixed, paraffin embedded (human cervical carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (TFRC) Polyclonal Antibody, Unconjugated (bs-0988R) at 1:200 overnight at 4°C, followed by operating according to bs-0295G-HRP instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human placenta); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (TFRC) Polyclonal Antibody, Unconjugated (bs-0988R) at 1:200 overnight at 4°C, followed by operating according to bs-0295G-HRP instructions and DAB staining.



Blank control: Raw264.7. Primary Antibody (green line): Rabbit Anti-TFRC antibody (bs-0988R) Dilution: 1ug/Test; Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC Dilution: 0.5ug/Test. Isotype control (orange line): Normal Rabbit IgG Protocol. The cells were incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The



The Jurkat (H) cells were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at r.t.). Cells stained with Primary Antibody for 30 min at room temperature, followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green): Rabbit Anti-TFRC antibody (bs-0988R, 1:100); Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was

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secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

performed.

— SELECTED CITATIONS —

- **[IF=14.7]** Xufei Bian. et al. Berberine-inspired ionizable lipid for self-structure stabilization and brain targeting delivery of nucleic acid therapeutics. *nature communications*. 2025 Mar 10;16(1):2368. Western blot ;Mouse. 40064874
- **[IF=11.4]** Jing Zhao. et al. Differentiation of intestinal stem cells toward goblet cells under systemic iron overload stress are associated with inhibition of Notch signaling pathway and ferroptosis. *REDOX BIOL.* 2024 Jun;72:103160 WB ;Mouse. 38631120
- **[IF=10.787]** Limin Shi. et al. FoxO1 regulates adipose transdifferentiation and iron influx by mediating Tgf β 1 signaling pathway. *REDOX BIOL.* 2023 Jul;63:102727 WB ;Mouse. 37156218
- **[IF=7.9]** Yu-Sheng Shi. et al. Dendrobine rescues cognitive dysfunction in diabetic encephalopathy by inhibiting ferroptosis via activating Nrf2/GPX4 axis. *PHYTOMEDICINE*. 2023 Jul;154993 WB ;Mouse. 37567006
- **[IF=6.2]** Shilin Mei. et al. β -Hydroxybutyrate-Induced Ferroptosis Contributes to Hepatic Oxidative Injury in Dairy Cows with Clinical Ketosis. *J AGR FOOD CHEM.* 2025 Dec WB ;Bovine. 41457493