

bs-0988R**[Primary Antibody]**

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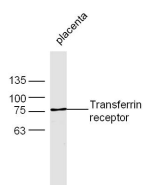
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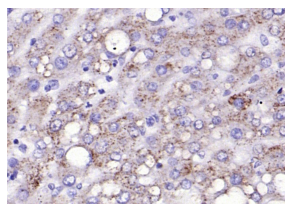
400-901-9800

TFRC Rabbit pAb**— DATASHEET —**

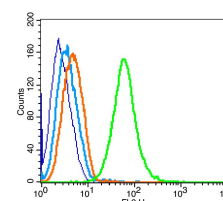
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:50-200) Flow-Cyt (1µg /Test) Reactivity: Human, Mouse (predicted: Rat, Pig, Cow, Dog, GuineaPig, Horse) Predicted MW.: 74/85 kDa Subcellular Location: Secreted ,Cell membrane
Clonality: Polyclonal		
GeneID: 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]		

— VALIDATION IMAGES —

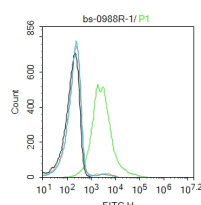
Sample: Placenta (Mouse) Lysate at 40 µg
 Primary: Anti-CD71/Transferrin receptor (bs-0988R) at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 74/85 kD
 Observed band size: 75 kD



Paraformaldehyde-fixed, paraffin embedded (human liver); 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; Antibody incubation with (TFRC) Polyclonal Antibody, Unconjugated (bs-0988R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control(blue):Raji(fixed with 2% paraformaldehyde (10 min)). Primary Antibody:Rabbit Anti- CD71 antibody(bs-0988R), Dilution: 1µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG(orange) ,used under the same conditions); Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.



Blank control:K562. Primary Antibody (green line): Rabbit Anti-CD71 antibody (bs-0988R) Dilution: 1µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: 0.5µg /test. 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

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was 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=10.787]** Limin Shi. et al. FoxO1 regulates adipose transdifferentiation and iron influx by mediating Tgfβ1 signaling pathway. *REDOX BIOL.* 2023 Jul;63:102727 WB ;Mouse. 37156218
- **[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=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=5.4]** Cuiping Xu. et al. Comparison of the components of fresh Panax notoginseng processed by different methods and their anti-anemia effects on cyclophosphamide-treated mice. *J ETHNOPHARMACOL.* 2024 Apr;118148 IF ;Mouse. 38583734