

bs-9044R**[Primary Antibody]****TRPM7 Rabbit pAb****Bioss**
ANTIBODIES

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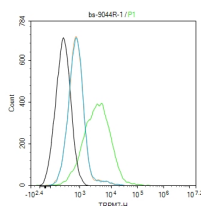
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 54822 Target: TRPM7 Immunogen: KLH conjugated synthetic peptide derived from human TRPM7: 801-900/1865. < 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: The protein encoded by this gene is both an ion channel and a serine/threonine protein kinase. The kinase activity is essential for the ion channel function, which serves to increase intracellular calcium levels and to help regulate magnesium ion homeostasis. Defects in this gene are a cause of amyotrophic lateral sclerosis-parkinsonism/dementia complex of Guam.[provided by RefSeq, May 2010].	Isotype: IgG SWISS: Q96QT4	Applications: Flow-Cyt (1ug/Test) ELISA (1:5000-10000) Reactivity: Human (predicted: Mouse, Rat, Rabbit, Pig, Cow, Chicken, Dog, Horse) Predicted MW.: 180, 205 kDa Subcellular Location: Cell membrane
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— VALIDATION IMAGES —

Blank control (black line) :MCF-7. Primary Antibody (green line): Rabbit Anti-TRPM7 antibody (bs-9044R) 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 secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=4.196]** Takashina Y et al. Sodium Citrate Increases Expression and Flux of Mg Transport Carriers Mediated by Activation of MEK/ERK/c-Fos Pathway in Renal Tubular Epithelial Cells.(2018) Nutrients. Sep 20 ;10(10) WB ;Rat. 30241394
- **[IF=2.26]** Calik Muhammet. et al. Prognostic Value of TRPM7 Expression and Factor XIIIa-Expressing Tumor-Associated Macrophages in Gastric Cancer. Gastroent Res Pract. 2021;2021:7249726 IHC ;Human. 34938330