bs-2603R **[Primary Antibody]**

IL12RB1 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 16161 **SWISS:** Q60837

Target: IL12RB1

Immunogen: KLH conjugated synthetic peptide derived from mouse IL-12RB1: 401-500/738.

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 a type I transmembrane protein that belongs to the hemopoietin receptor superfamily. This protein binds to interleukine 12 (IL12) with a low affinity, and is thought to be a part of IL12 receptor complex. This protein forms a disulfide-linked oligomer, which is required for its IL12 binding activity. The coexpression of this and IL12RB2 proteins was shown to lead to the formation of high-affinity IL12 binding sites and reconstitution of IL12 dependent signaling. The lack of expression of this gene was found to result in the immunodeficiency of patients with severe mycobacterial and Salmonella infections. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported. [provided by RefSeq].

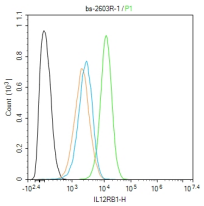
Applications: **Flow-Cyt** (1ug/Test)

Reactivity: Mouse (predicted: Rat)

Predicted MW.: 80 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Blank control:RAW264.7. Primary Antibody (green line): Rabbit Anti-IL12RB1 antibody (bs-2603R) Dilution: 1ug/Test; Secondary Antibody (white blue line) : Goat anti-rabbit IgG-AF488 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=4.433]** Jose Rosas Almanza. et al. IL-12p40 promotes secondary damage and functional impairment after spinal cord contusional injury. J NEUROSCI RES. 2022 Sep;: IF ;Mouse. 36089917
- **[IF=3.37]** Terayama, Hayato, et al. "Contribution of IL-12/IL-35 Common Subunit p35 to Maintaining the Testicular

Immune Privilege." PLoS ONE 9.4 (2014): e96120. IHC ;="Mouse". 24760014

- **[IF=0]** Li R et al. Osteogenic Effects of IL-12 on Bone Marrow Mesenchymal Stem Cells Facilitates Its Irradiation Hematopoiesis Recovery. 14 January 2020, PREPRINT (Version 1) available at Research Square WB ;Mouse. DOI:10.21203/rs.2.20812/v1