

bs-1540R**[Primary Antibody]****IL7R Rabbit pAb****BioSS**
ANTIBODIES

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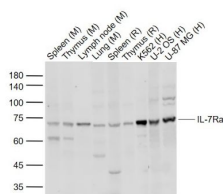
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DATASHEET

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Human, Mouse, Rat (predicted: Pig, Sheep, Cow, Dog, Horse)
GeneID: 3575	SWISS: P16871	Predicted MW.: 50 kDa
Target: IL7R		Subcellular Location: Secreted ,Cell membrane
Immunogen: KLH conjugated synthetic peptide derived from human IL-7Ra: 251-350/459.		
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 receptor for interleukine 7 (IL7). The function of this receptor requires the interleukin 2 receptor, gamma chain (IL2RG), which is a common gamma chain shared by the receptors of various cytokines, including interleukine 2, 4, 7, 9, and 15. This protein has been shown to play a critical role in the V(D)J recombination during lymphocyte development. This protein is also found to control the accessibility of the TCR gamma locus by STAT5 and histone acetylation. Knockout studies in mice suggested that blocking apoptosis is an essential function of this protein during differentiation and activation of T lymphocytes. The functional defects in this protein may be associated with the pathogenesis of the severe combined immunodeficiency (SCID).		

VALIDATION IMAGES

Sample: Lane 1: Mouse Spleen tissue lysates
Lane 2: Mouse Thymus tissue lysates Lane 3:
Mouse Lymph node tissue lysates Lane 4: Mouse
Lung tissue lysates Lane 5: Rat Spleen tissue
lysates Lane 6: Rat Thymus tissue lysates Lane 7:
Human K562 cell lysates Lane 8: Human U-2 OS
cell lysates Lane 9: Human U-87 MG cell lysates
Primary: Anti-IL-7Ra (bs-1540R) at 1/1000
dilution Secondary: IRDye800CW Goat Anti-
Rabbit IgG at 1/20000 dilution Predicted band
size: 50 kD Observed band size: 70 kD

SELECTED CITATIONS

- **[IF=13.081]** Xu Jun Yan. et al. Interleukin-5-induced eosinophil population improves cardiac function after myocardial infarction. CARDIOVASC RES. 2022 Jul;118(9):2165-2178 IF ;Mouse. 34259869
- **[IF=6.1]** Tao Li. et al. Modulatory effect of the fermented Polygonatum cyrtonema Hua on the immune homeostasis and gut integrity in a dextran-sulfate-sodium (DSS)-induced colitis model. FOOD FUNCT. 2024 Feb;; IF ;Mouse. 38440931

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

- **[IF=6.1]** Zixuan Fang. et al. Single-cell transcriptomic analysis reveals characteristic feature of macrophage reprogramming in liver Mallory-Denk bodies pathogenesis. JOURNAL OF TRANSLATIONAL MEDICINE. 2025 Jan 16;23(1):77. IHC ;Mouse. 39819676
- **[IF=2.9]** Dong Li. et al. Active immunization against gonadotropin-releasing hormone enhances the generation of B cells but does not affect their colonization in peripheral immune organs in male rats. J REPROD IMMUNOL. 2024 Nov;;104402 WB ;Rat. 39637674