

**bs-1183R****[ Primary Antibody ]**

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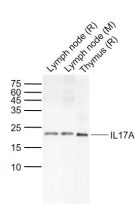
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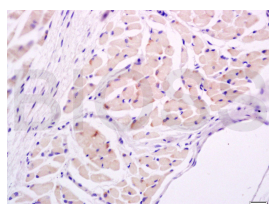
400-901-9800

**IL17A Rabbit pAb****— DATASHEET —**

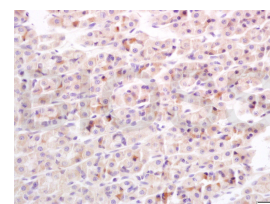
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>IHC-P</b> (1:100-500)
<b>GeneID:</b> 16171	<b>SWISS:</b> Q62386	<b>IHC-F</b> (1:100-500)
<b>Target:</b> IL17A		<b>IF</b> (1:100-500)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from mouse IL-17: 85-150/150.		<b>Reactivity:</b> Mouse, Rat
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 15 kDa
<b>Storage:</b> 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.		<b>Subcellular Location:</b> Secreted
<b>Background:</b> This gene is a member of the IL-17 receptor family which includes five members (IL-17RA-E) and the encoded protein is a proinflammatory cytokine produced by activated T cells. IL-17A-mediated downstream pathways induce the production of inflammatory molecules, chemokines, antimicrobial peptides, and remodeling proteins. The encoded protein elicits crucial impacts on host defense, cell trafficking, immune modulation, and tissue repair, with a key role in the induction of innate immune defenses. This cytokine stimulates non-hematopoietic cells and promotes chemokine production thereby attracting myeloid cells to inflammatory sites. This cytokine also regulates the activities of NF-kappaB and mitogen-activated protein kinases and can stimulate the expression of IL6 and cyclooxygenase-2 (PTGS2/COX-2), as well as enhance the production of nitric oxide (NO). IL-17A plays a pivotal role in various infectious diseases, inflammatory and autoimmune disorders, and cancer. High levels of this cytokine are associated with several chronic inflammatory diseases including rheumatoid arthritis, psoriasis and multiple sclerosis. The lung damage induced by the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) is to a large extent, a result of the inflammatory response promoted by cytokines such as IL17A. [provided by RefSeq, Sep 2020]		

**— VALIDATION IMAGES —**

Sample: Lane 1: Rat Lymph node tissue lysates  
Lane 2: Mouse Lymph node tissue lysates Lane 3:  
Rat Thymus tissue lysates Primary: Anti-IL17A  
(bs-1183R) at 1/1000 dilution Secondary:  
IRDye800CW Goat Anti-Rabbit IgG at 1/20000  
dilution Predicted band size: 15 kD Observed  
band size: 22 kD



Tissue/cell: rat tongue tissue; 4%  
Paraformaldehyde-fixed and paraffin-  
embedded; Antigen retrieval: citrate buffer (  
0.01M, pH 6.0 ), Boiling bathing for 15min; Block  
endogenous peroxidase by 3% Hydrogen  
peroxide for 30min; Blocking buffer (normal goat  
serum, C-0005) at 37°C for 20 min; Incubation:  
Anti-IL-17/IL-17A Polyclonal Antibody,  
Unconjugated(bs-1183R) 1:600, overnight at 4°C,  
followed by conjugation to the secondary  
antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat stomach tissue; 4%  
Paraformaldehyde-fixed and paraffin-  
embedded; Antigen retrieval: citrate buffer (  
0.01M, pH 6.0 ), Boiling bathing for 15min; Block  
endogenous peroxidase by 3% Hydrogen  
peroxide for 30min; Blocking buffer (normal goat  
serum, C-0005) at 37°C for 20 min; Incubation:  
Anti-IL-17/IL-17A Polyclonal Antibody,  
Unconjugated(bs-1183R) 1:600, overnight at 4°C,  
followed by conjugation to the secondary  
antibody(SP-0023) and DAB(C-0010) staining

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

## — SELECTED CITATIONS —

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- **[IF=24.897]** Yuan, Xulei. et al. Systemic antibiotics increase microbiota pathogenicity and oral bone loss. INT J ORAL SCI. 2023 Jan;15(1):1-14 IHC ;Mouse. 36631439
- **[IF=18.9]** Hao Zhou. et al. Microenvironment-responsive metal-phenolic network release platform with ROS scavenging, anti-pyoptosis, and ECM regeneration for intervertebral disc degeneration. BIOACT MATER. 2024 Jul;37:51 WB ;Rat. 38515609
- **[IF=10.6]** Yufei Xie. et al.miRNA let-7f-5p-encapsulated labial gland MSC-derived EVs ameliorate experimental Sjögren's syndrome by suppressing Th17 cells via targeting RORC/IL-17A signaling axis..JOURNAL OF NANOBIO TECHNOLOGY.2025 Mar 20;23(1):228. Western blot,IHC,if ;Mouse. 40114173
- **[IF=8.786]** Xiaoyu Guo. et al. Effects of Boric Acid Gel on Vaginal Candida albicans Infections and the Local Immune System in Mice. FRONT IMMUNOL. 2022; 13: 950215 IHC ;Mouse. 35958550
- **[IF=7]** L.H. Frommherz. et al. Secukinumab for the treatment of SAM syndrome associated with desmoglein - 1 deficiency. 2020 Nov 18 IHC ;Human. 33205394