

**bs-1789R****[ Primary Antibody ]****IL12A Rabbit pAb****BioSS**  
**ANTIBODIES**

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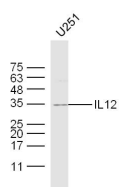
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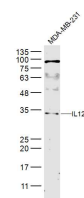
400-901-9800

**— DATASHEET —**

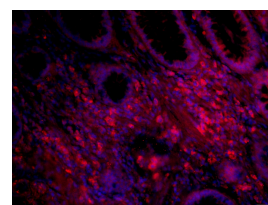
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>IHC-P</b> (1:100-500)
<b>GeneID:</b> 3592	<b>SWISS:</b> P29459	<b>IHC-F</b> (1:100-500)
<b>Target:</b> IL12A		<b>IF</b> (1:100-500)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human IL-12: 51-150/219.		<b>Reactivity:</b> Human
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 23 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> bs-0767P is one synthetic peptide derived from mouse IL-12. IL-12 protein is a cytokine produced primarily by monocytes and to a lesser extent by lymphocytes. This cytokine has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II Ags, and costimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. This cytokine can block NF-kappa B activity, and is involved in the regulation of the JAK-STAT signaling pathway. Knockout studies in mice suggested the function of this cytokine as an essential immunoregulator in the intestinal tract.		

**— VALIDATION IMAGES —**

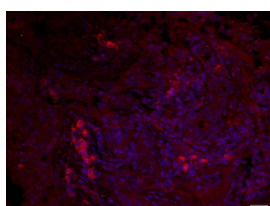
Sample: U251 Cell Lysate at 30 ug Primary: Anti-IL12 (bs-1789R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 23 kD Observed band size: 34 kD



Sample: MDA-MB-231(Human) Cell Lysate at 40 ug Primary: Anti-IL12 (bs-1789R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 23 kD Observed band size: 34 kD



Tissue/cell: human colon carcinoma;4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-IL12 Polyclonal Antibody, Unconjugated(bs-1789R) 1:500, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated(bs-0295G-Cy3)used at 1:200 dilution for 40 minutes at 37°C. DAPI(5ug/ml,blue,C-0033) was used to stain the cell nuclei



Tissue/cell: human lung carcinoma;4% Paraformaldehyde-fixed and paraffin-

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

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## — SELECTED CITATIONS —

- **[IF=6.218]** Foulon M et al. Mycolactone toxin induces an inflammatory response by targeting the IL-1 $\beta$  pathway: Mechanistic insight into Buruli ulcer pathophysiology PLoS Pathog. 2020 Dec 18;16(12):e1009107. IHC ;Mouse. 33338061
- **[IF=3.8]** Yuquan Guo. et al. Revealing the Mechanism: The Influence of Baicalin on M1/M2 and Th1/Th2 Imbalances in Mycoplasma gallisepticum Infection. POULTRY SCI. 2024 Jul;:104145 WB ;Chicken. 39127004
- **[IF=2.33]** Li, Kang, et al. "CD14 overexpression upregulates TNF- $\alpha$ -mediated inflammatory responses and suppresses the malignancy of gastric carcinoma cells." Molecular and cellular biochemistry 376.1-2 (2013): 137-143.3 WB ;Human. 23338226