

bs-2428R**[Primary Antibody]****IL-9 Rabbit pAb****Bioss**
ANTIBODIES

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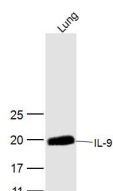
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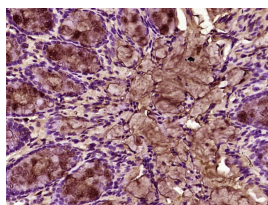
400-901-9800

— DATASHEET —

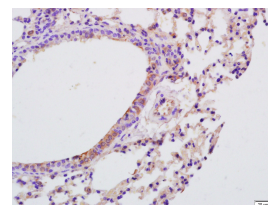
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 16198	SWISS: P15247	IHC-F (1:100-500)
Target: IL-9		IF (1:200-800)
Immunogen: KLH conjugated synthetic peptide derived from mouse IL-9: 21-120/144.		Reactivity: Mouse, Rat
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 16 kDa
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.		Subcellular Location: Secreted
Background: The protein encoded by this gene is a cytokine that acts as a regulator of a variety of hematopoietic cells. This cytokine stimulates cell proliferation and prevents apoptosis. It functions through the interleukin 9 receptor (IL9R), which activates different signal transducer and activator (STAT) proteins and thus connects this cytokine to various biological processes. The gene encoding this cytokine has been identified as a candidate gene for asthma. Genetic studies on a mouse model of asthma demonstrated that this cytokine is a determining factor in the pathogenesis of bronchial hyperresponsiveness. [provided by RefSeq, Jul 2008].		

— VALIDATION IMAGES —

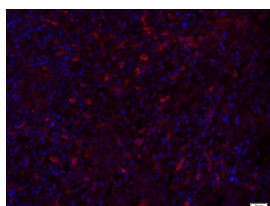
Sample: Lung (Mouse) Lysate at 40 ug Primary: Anti-IL-9 (bs-2428R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 16 kD Observed band size: 16 kD



Paraformaldehyde-fixed, paraffin embedded (mouse colon tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (IL-9) Polyclonal Antibody, Unconjugated (bs-2428R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: mouse lung 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-9 Polyclonal Antibody, Unconjugated (bs-2428R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (Mouse mammary tumor); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for

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15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (IL-9) Polyclonal Antibody, Unconjugated (bs-2428R) at 1:400 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (bs-0295G-cy3) for 90 minutes, and DAPI for nuclei staining.

— SELECTED CITATIONS —

- **[IF=5.6]** Yun Sun. et al. Inhibitory effects of catalpol on DNCB-induced atopic dermatitis and IgE-mediated mast cells reaction. INT IMMUNOPHARMACOL. 2024 Jan;126:111274 ELISA,IHC ;Mouse. 38041954
- **[IF=3.7]** Yao, Xiuhua, et al. "Neutralization of IL - 9 ameliorates symptoms of experimental autoimmune myasthenia gravis in rats by decreasing effector T cells and altering humoral responses." Immunology (2014). Other ;="Rat". 24850614
- **[IF=1.5]** Lin, Yinyao, et al. "Expression of interleukin-9 and its upstream stimulating factors in rats with ischemic stroke." Neurological Sciences (2015): 1-8. IHC ;="Rat". 25652434