

bs-1318R**[Primary Antibody]****Bioss**
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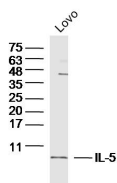
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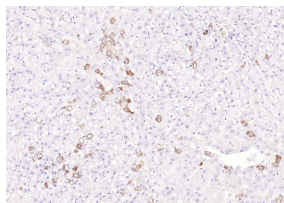
400-901-9800

IL-5 Rabbit pAb**— DATASHEET —**

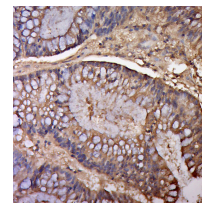
Host: Rabbit Clonality: Polyclonal Target: IL-5 Immunogen: KLH conjugated synthetic peptide derived from mouse IL-5: 56-132/132. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: Interleukin 5 is a cytokine produced primarily by activated T lymphocytes. It exists as an antiparallel disulfide linked homodimeric glycoprotein with 115 amino acid residues in each chain. Known also as EDF (eosinophil differentiating factor), functions predominantly as an eosinophilopoietic factor. Analysis of its crystal structure reveals a novel two domain structure, with each domain showing significant homology to the cytokine fold in GMCSF, MCSF, IL2, IL4 and growth hormone. Human and mouse IL5 have 70% amino acid sequence homology.	Isotype: IgG Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Rat (predicted: Mouse) Predicted MW.: 13 kDa Subcellular Location: Secreted
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— VALIDATION IMAGES —

Sample: Lovo Cell (Human) Lysate at 30 ug
Primary: Anti- IL-5 (bs-1318R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 13kD
Observed band size: 10kD



Paraformaldehyde-fixed, paraffin embedded (rat liver); 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-5) Polyclonal Antibody, Unconjugated (bs-1318R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human colon cancer); 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-5) Polyclonal Antibody, Unconjugated (bs-1318R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

— 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 WB ;Mouse. 34259869
- **[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=0.4]** Araújo C.D.. et al. Comparison of KIT patterns and infiltration of eosinophils in canine mast cell tumor. ARQ BRAS MED VET ZOO. 2023 Nov;75(6):1047-1054 IHC ;Human. 10.1590/1678-4162-12963

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