



Rabbit Anti-IL-5 antibody

SL1318R

Product Name:	IL-5
Chinese Name:	白细胞介素5抗体
Alias:	B Cell Differentiation Factor I; IL5; IL 5; Colony stimulating factor; Colony Stimulating Factor Eosinophil; EDF; Eosinophil; Eosinophil Differentiation Factor; IL 5; Interleukin 5; B-cell differentiation factor I; IL-5; IL5_RAT; Interleukin-5; T Cell Replacing Factor; T-cell replacing factor; Interleukin5; TRF.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	13kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from mouse IL-5:56-132/132
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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 GM-CSF, MCSF, IL2, IL4 and growth hormone. Human and mouse IL5 have 70% amino acid sequence homology.

Function:

Factor that induces terminal differentiation of late-developing B-cells to immunoglobulin secreting cells.

Subunit:

Homodimer; disulfide-linked.

Subcellular Location:

Secreted.

Similarity:

Belongs to the IL-5 family.

SWISS:

P04401

Gene ID:

16191

Database links:

[Entrez Gene: 3567](#)Human

[Omim: 147850](#)Human

[SwissProt: P05113](#)Human

[Unigene: 2247](#)Human

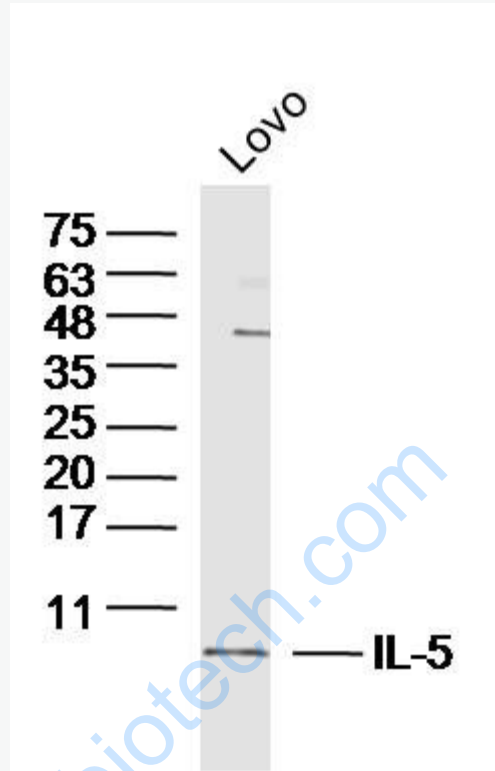
Important Note:

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

白细胞介素-5 (IL-

5) 的表达对嗜酸粒细胞 (EOS) 有浸润聚集的作用, 目前多用变态反应方面的研究。支气管哮喘的重要特征主要是慢性非特异性炎症改变, 其病因与发病机制十分复杂, 白介素5在支气管哮喘发病机理上, 近年来受到了很大关注。

Picture:



Sample:

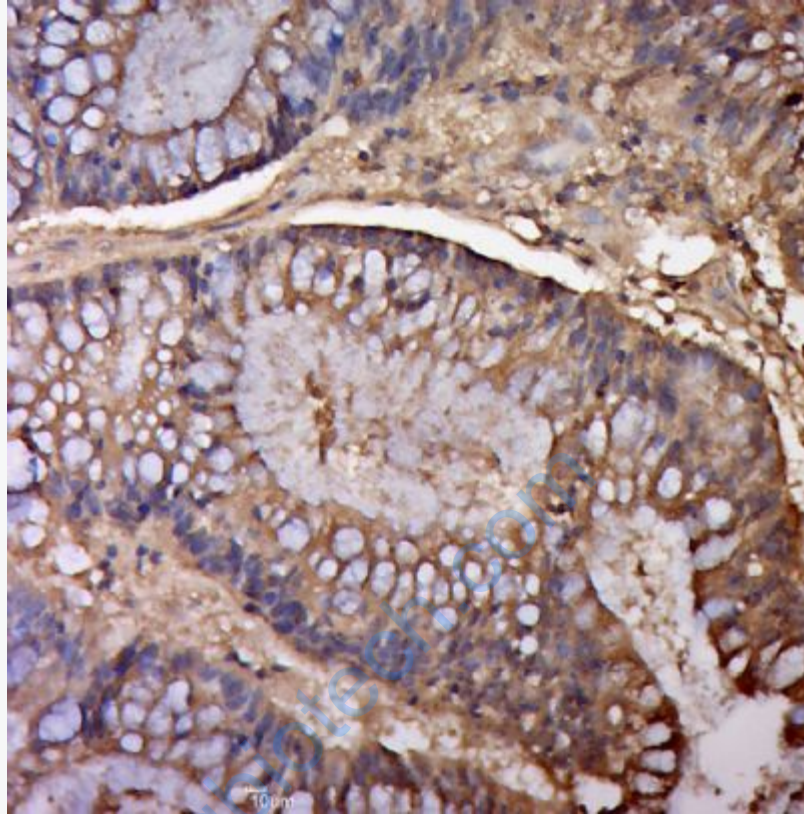
Lovo Cell (Human) Lysate at 30 ug

Primary: Anti- IL-5 (SL1318R) at 1/300 dilution

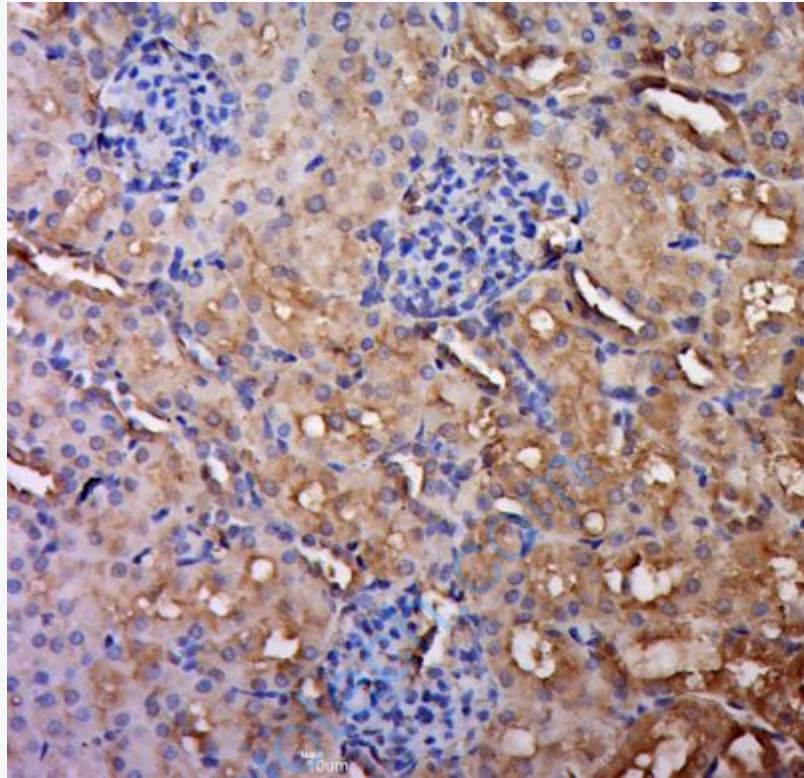
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 13kD

Observed band size: 10kD



Paraformaldehyde-fixed, paraffin embedded (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 (SL1318R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat kidney); 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 (SL1318R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.