

Rabbit Anti-IL-8/CXCL8 antibody

SL0780R

Product Name IL-8/CXCL8

Chinese Name 白介素 8 抗体

Alias

Interleukin-8; Interleukin 8; Interleukin8;(Ala-IL-8)77; (Ser-IL-8)72; 3 10C; 310C; AMCF 1; AMCF1; b ENAP; Bbeta thromboglobulin like protein; Beta thromboglobulin like protein; C-X-C motif chemokine 8; CXC chemokine ligand 8; CXCL 8; CXCL8; Emoctakin; GCP 1; GCP-1; GCP/IL-8 protein I; GCP/IL-8 protein II; GCP/IL-8 protein III; GCP/IL-8 protein IV; GCP/IL-8 protein V; GCP/IL-8 protein VI; GCP1; Granulocyte chemotactic protein 1; IL 8; IL-8; IL-8(1-77); IL-8(9-77); IL8; IL8/NAP1 form I; IL8/NAP1 form II; IL8/NAP1 form III; IL8/NAP1 form IV; IL8/NAP1 form V; IL8/NAP1 form VI; IL8_HUMAN; Inteleukin 8; Interleukin8; K 60; K60; LECT; LUCT; Lymphocyte derived neutrophil activating factor; Lymphocyte-derived neutrophil-activating factor; LYNAP; MDNCF; MDNCF-b; MDNCF-c; MONAP; Monocyte derived neutrophil activating peptide; Monocyte derived neutrophil activating protein; Monocyte derived neutrophil chemotactic factor; Monocyte-derived neutrophil chemotactic factor; Monocyte-derived neutrophil-activating peptide; NAF; NAP 1; NAP-1; NAP1; Neutrophil activating factor; Neutrophil activating peptide 1; Neutrophil activating protein 1; Neutrophil-activating factor; Neutrophil-activating protein 1; Protein 3 10C; Protein 3-10C; SCYB 8; SCYB8; Small inducible cytokine subfamily B member 8; T cell chemotactic factor; T-cell chemotactic factor; TSG 1; TSG1.

Research Area Cell biology immunology Growth factors and hormones Chemokine Exchange protein cell factor

Immunogen Species Rabbit

Clonality Polyclonal

React Species Human(predicted:Pig,Cow,Rabbit,Sheep)

Applications WB=1:500-2000,ELISA=1:5000-10000 (Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 8/9kDa

Cellular Secretory protein

**localization**

Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human IL-8: 31-99/99
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer	Human(predicted:Pig,Cow,Rabbit,Sheep)1M TBS(pH7.4) with 1% BSA,
Solution	Human(predicted:Pig,Cow,Rabbit,Sheep)3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed

The protein encoded by this gene is a member of the CXC chemokine family. This chemokine is one of the major mediators of the inflammatory response. This chemokine is secreted by several cell types. It functions as a chemoattractant, and is also a potent angiogenic factor. This gene is believed to play a role in the pathogenesis of bronchiolitis, a common respiratory tract disease caused by viral infection. This gene and other ten members of the CXC chemokine gene family form a chemokine gene cluster in a region mapped to chromosome 4q. [provided by RefSeq, Jul 2008]

Function:

IL-8 is a chemotactic factor that attracts neutrophils, basophils, and T-cells, but not monocytes. It is also involved in neutrophil activation. It is released from several cell types in response to an inflammatory stimulus. IL-8(6-77) has a 5-10-fold higher activity on neutrophil activation, IL-8(5-77) has increased activity on neutrophil activation and IL-8(7-77) has a higher affinity to receptors CXCR1 and CXCR2 as compared to IL-8(1-77), respectively.

**Product
Detail****Subunit:**

Homodimer.

Subcellular Location:

Secreted.

Post-translational modifications:

Several N-terminal processed forms are produced by proteolytic cleavage after secretion from at least peripheral blood monocytes, leukocytes and endothelial cells. In general, IL-8(1-77) is referred to as interleukin-8. IL-8(6-77) is the most prominent form.

Similarity:

Belongs to the intercrine alpha (chemokine CxC) family.

SWISS:
P10145

Gene ID:
3576

Database links:

[Entrez Gene: 3576](#) Human

[Entrez Gene: 396880](#) Pig

[Omim: 146930](#) Human

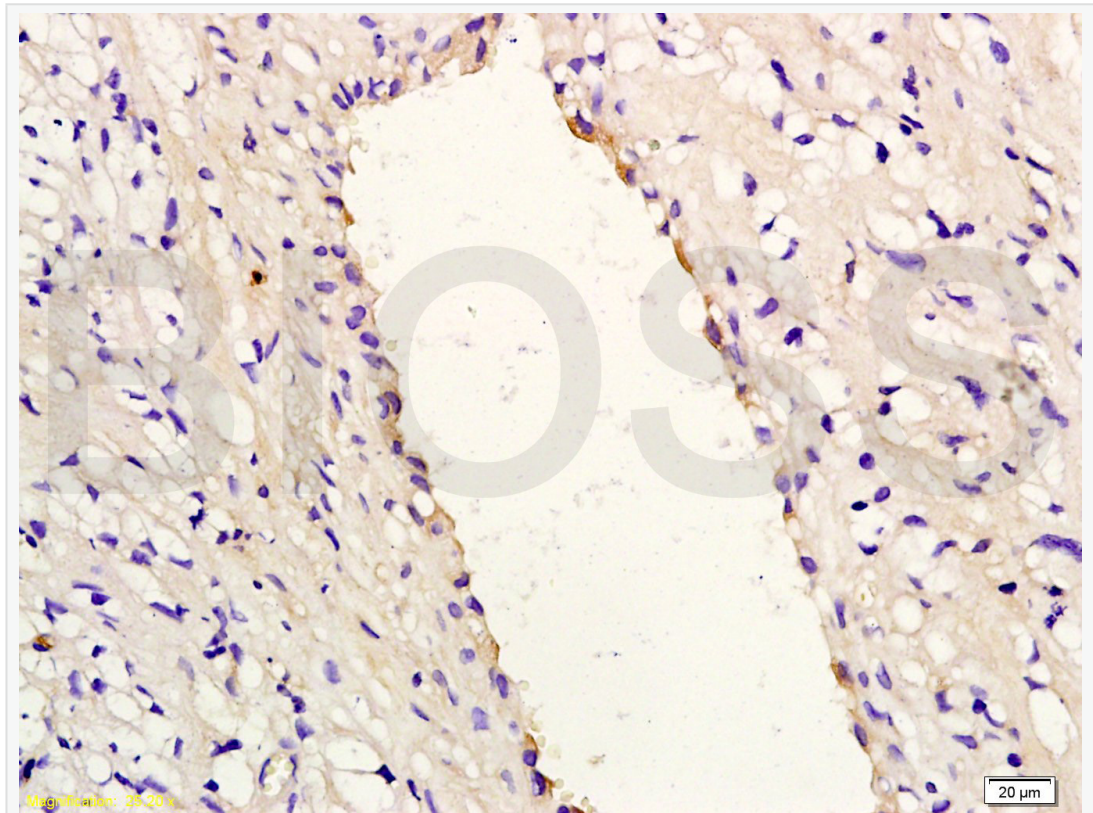
[SwissProt: P10145](#) Human

[SwissProt: P26894](#) Pig

[Unigene: 624](#) Human

白介素-8

**Product
Picture**



Tissue/cell: rabbit carotid artery; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (Human(predicted:Pig,Cow,Rabbit,Sheep)1M, 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-8/CXCL8 Polyclonal Antibody, Unconjugated(SL0780R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining