

## ARG56721 anti-IL8 antibody (Biotin)

Package: 50 µg  
Store at: 4°C

### Summary

Product Description	Biotin-conjugated Rabbit Polyclonal antibody recognizes IL8
Tested Reactivity	Hu
Tested Application	ELISA, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	IL8
Species	Human
Immunogen	E.coli derived Recombinant Human IL-8 (72 aa) (CXCL8). (SAKELRCQCI KTYSKPFHPK FIKELRVIES GPHCANTEII VKLSDGRELC LDPKENWVQR VVEKFLKRAE NS)
Conjugation	Biotin
Alternate Names	IL8/NAP1 form IV; GCP/IL-8 protein IV; NAF; T-cell chemotactic factor; 1-77; Ala-IL-8; Interleukin-8; IL-8; Neutrophil-activating protein 1; GCP/IL-8 protein II; IL8/NAP1 form II; GCP/IL-8 protein V; MDNCF; Protein 3-10C; Lymphocyte-derived neutrophil-activating factor; Neutrophil-activating factor; Granulocyte chemotactic protein 1; LYNAP; NAP-1; Monocyte-derived neutrophil chemotactic factor; 6-77; 7-77; C-X-C motif chemokine 8; GCP1; NAP1; Ser-IL-8; 5-77; GCP/IL-8 protein VI; IL8/NAP1 form I; IL8/NAP1 form VI; Monocyte-derived neutrophil-activating peptide; C-X-C motif; 8-77; 9-77; LUCT; Chemokine; GCP-1; MDNCF-b; MDNCF-c; IL8/NAP1 form V; LECT; IL8/NAP1 form III; GCP/IL-8 protein III; Emoctakin; GCP/IL-8 protein I; MONAP; IL8

### Application Instructions

Application table	Application	Dilution
	ELISA	Direct: 0.25 - 1.0 µg/ml Sandwich: 0.25 - 1.0 µg/ml with ARG56605 as a capture antibody
	WB	0.1 - 0.2 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purified by affinity chromatography.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be

gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

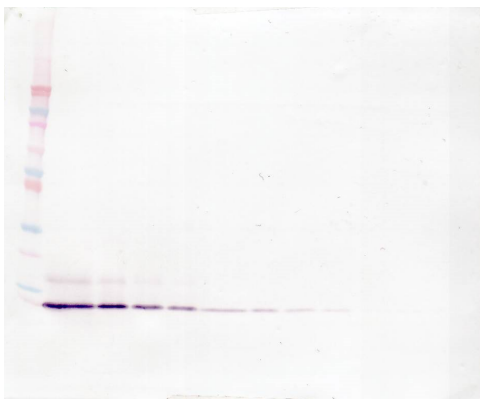
## Bioinformation

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Database links	<a href="#">GeneID: 3576 Human</a> <a href="#">Swiss-port # P10145 Human</a>
Gene Symbol	CXCL8
Gene Full Name	chemokine (C-X-C motif) ligand 8
Background	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. [UniProt]
Highlight	Related products: <a href="#">IL8 antibodies</a> ; <a href="#">IL8 ELISA Kits</a> ; <a href="#">IL8 Duos / Panels</a> ; <a href="#">IL8 recombinant proteins</a> ; <a href="#">Anti-Rabbit IgG secondary antibodies</a> ; Related news: <a href="#">HMGB1 in inflammation</a> <a href="#">Inflammatory Cytokines</a>
Calculated Mw	11 kDa
PTM	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. Citruination at Arg-27 prevents proteolysis, and dampens tissue inflammation, it also enhances leukocytosis, possibly through impaired chemokine clearance from the blood circulation.

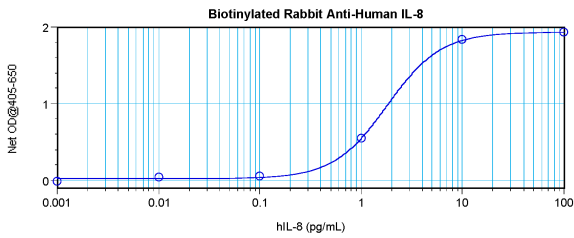
## Images

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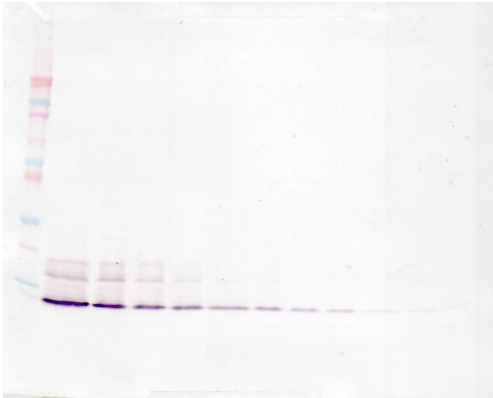
ARG56721 anti-IL8 antibody (Biotin) WB image

Western blot: 250 - 0.24 ng of Human IL-8 stained with ARG56721 anti-IL8 antibody (Biotin), under reducing conditions.



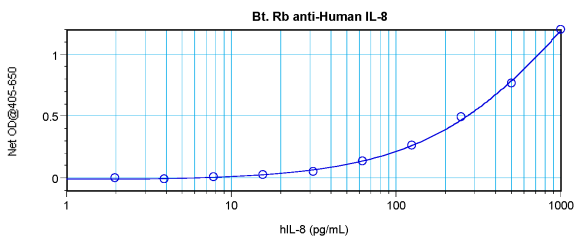
ARG56721 anti-IL8 antibody (Biotin) standard curve image

Direct ELISA: ARG56721 anti-IL8 antibody (Biotin) at 0.25 - 1.0 µg/ml results of a typical standard run with optical density.



ARG56721 anti-IL8 antibody (Biotin) WB image

Western blot: 250 - 0.24 ng of Human IL-8 stained with ARG56721 anti-IL8 antibody (Biotin), under non-reducing conditions.



ARG56721 anti-IL8 antibody (Biotin) standard curve image

Sandwich ELISA: ARG56721 anti-IL8 antibody (Biotin) as a detection antibody at 0.25 - 1.0 µg/ml combined with ARG56605 anti-IL8 antibody as a capture antibody. Results of a typical standard run with optical density.