

ARG56605 anti-IL8 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes IL8
Tested Reactivity	Hu
Tested Application	ELISA, IHC-P, Neut, 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	Un-conjugated
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; LYMAP; 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	Sandwich: 0.5 - 2.0 µg/ml with ARG56721 as a detection antibody
	IHC-P	1.0 µg/ml - 0.25 µg/ml
	Neut	2.0 - 3.0 µg/ml (To yield [ND50] of the biological activity of Human IL - 8 (100ng/ml))
	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.

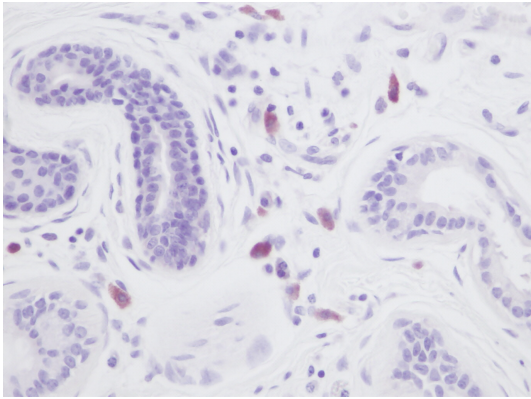
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.2)

Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. 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.

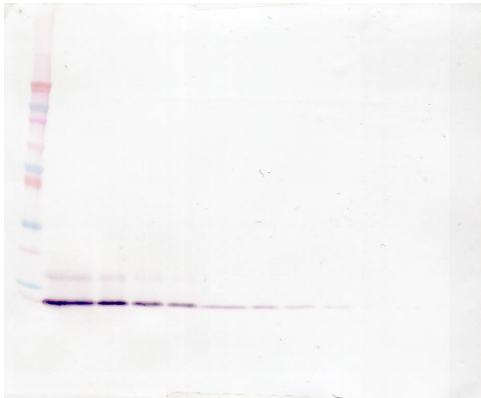
Bioinformation

Database links	GeneID: 3576 Human Swiss-port # P10145 Human
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	<p>Related products:</p> <p>IL8 antibodies; IL8 ELISA Kits; IL8 Duos / Panels; IL8 recombinant proteins; Anti-Rabbit IgG secondary antibodies;</p> <p>Related news:</p> <p>HMGB1 in inflammation Inflammatory Cytokines</p>
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. Citrullination at Arg-27 prevents proteolysis, and dampens tissue inflammation, it also enhances leukocytosis, possibly through impaired chemokine clearance from the blood circulation.



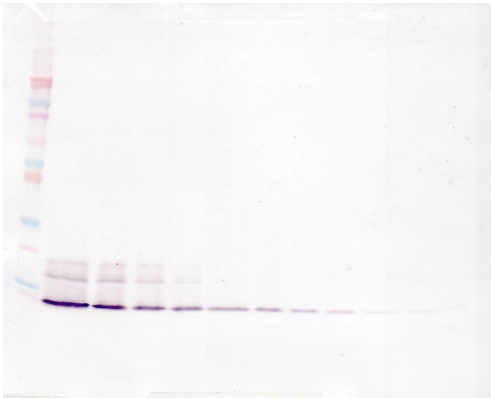
ARG56605 anti-IL8 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded sections of normal Human skin. The recommended ARG56605 anti-IL8 antibody concentration is 1.0 µg/ml for two hours at RT or 0.25 µg/ml overnight at 4°C. An HRP-labeled polymer detection system was used with a non-alcohol soluble AEC chromogen. Antigen Retrieval: Incubate tissue section in a buffer (proteinase K) at RT for 10 min.



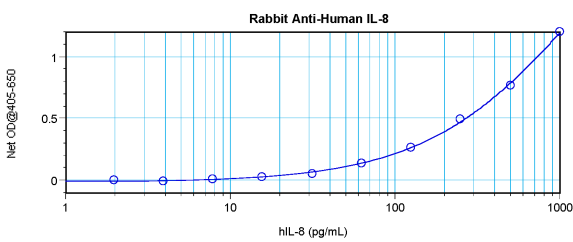
ARG56605 anti-IL8 antibody WB image

Western blot: 250 - 0.24 ng of Human IL-8 stained with ARG56605 anti-IL8 antibody, under reducing conditions.



ARG56605 anti-IL8 antibody WB image

Western blot: 250 - 0.24 ng of Human IL-8 stained with ARG56605 anti-IL8 antibody, under non-reducing conditions.



ARG56605 anti-IL8 antibody standard curve image

Sandwich ELISA: ARG56605 anti-IL8 antibody as a capture antibody at 0.5 - 2.0 µg/ml combined with ARG56721 anti-IL8 antibody (Biotin) as a detection antibody. Results of a typical standard run with optical density.