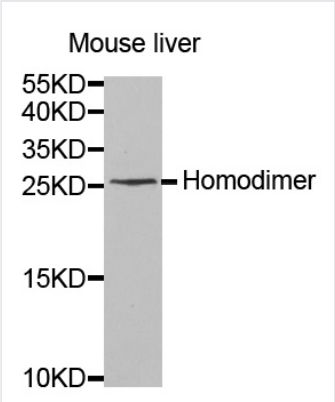
IL8 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IL8, Polyclonal Antibody
Full Product Name	IL8 antibody
Product Gene Name	anti-IL8 antibody
Product Synonym Names	NAF; GCP1; LECT; LUCT; NAP1; CXCL8; GCP-1; LYNAP; MDNCF; MONAP; NAP-1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Concentration	1.0 mg/ml (lot specific)
Specificity	The antibody detects endogenous level of total IL8 antibody.
Preparation and Storage	Store at -20 degree C
Molecular Weight	11,338 Da
OMIM	146930
3D Structure	ModBase 3D Structure for P10145
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human IL8.
Target Name	IL8
Product Categories/Family for anti-IL8 antibody	Total protein Ab
Applications Tested/Suitable for anti-IL8 antibody	Western Blot (WB)
Application Notes for anti-IL8 antibody	Western blotting: 1:500 - 1:2000
Related Product Information for anti-IL8 antibody	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.
Other Notes	Small volumes of anti-IL8 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for IL8 purchase	MBS9404723 is an antibody targeting IL8. Also known as IL8 antibody. Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-IL8 antibody
Western blot analysis of extracts of Mouse liver, using IL8 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL8. It may not necessarily be applicable to this product.

NCBI GI #	10834978
NCBI GeneID	3576
NCBI Accession #	NP_000575.1
UniProt Primary Accession #	P10145
UniProt Secondary Accession #	Q6FGF6; Q6LAE6; Q96RG6; Q9C077; Q9UCE1; Q9UCR8; Q9UCR9; Q9UCS0; B2R4L8
UniProt Related Accession #	P10145
GenBank Nucleotide #	NM_000584.3
NCBI Official Full Name	interleukin-8
NCBI Official Synonym Full Names	chemokine (C-X-C motif) ligand 8
NCBI Official Symbol	CXCL8
NCBI Official Synonym Symbols	IL8; NAF; GCP1; LECT; LUCT; NAP1; GCP-1; LYNAP; MDNCF; MONAP; NAP-1
UniProt Protein Name	Interleukin-8
UniProt Synonym Protein Names	C-X-C motif chemokine 8; Chemokine (C-X-C motif) ligand 8; Emoctakin; Granulocyte chemotactic protein 1; GCP-1
Protein Family	G-protein coupled estrogen receptor
UniProt Gene Name	CXCL8
UniProt Synonym Gene Names	IL8; IL-8; GCP-1; MDNCF; MONAP; NAP-1; LYNAP; NAF
UniProt Entry Name	IL8_HUMAN
NCBI Protein Information	interleukin-8

UniProt Comments for IL8	IL8: 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. Belongs to the intercrine alpha (chemokine CxC) family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted, signal peptide; Motility/polarity/chemotaxis; Cytokine; Secreted Chromosomal Location of Human Ortholog: 4q13-q21 Cellular Component: extracellular space; extracellular region Molecular Function: protein binding; chemokine activity; interleukin-8 receptor binding Biological Process: regulation of cell adhesion; neutrophil chemotaxis; neutrophil activation; unfolded protein response; negative regulation of G-protein coupled receptor protein signaling pathway; calcium-mediated signaling; signal transduction; chemotaxis; regulation of retroviral genome replication; induction of positive chemotaxis; G-protein coupled receptor protein signaling pathway; negative regulation of cell proliferation; cellular protein metabolic process; unfolded protein response, activation of signaling protein activity; response to molecule of bacterial origin; receptor internalization; immune response; angiogenesis; cell cycle arrest; cell motility; inflammatory response; embryonic gut development
Research Articles on IL8	**1.** This study has found that the size, adhesion and nano-surface roughness of wear particles have medium strong to strong correlations with IL-6 and IL-8.
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