Il-8 (IL8) Antibody – Rabbit Polyclonal

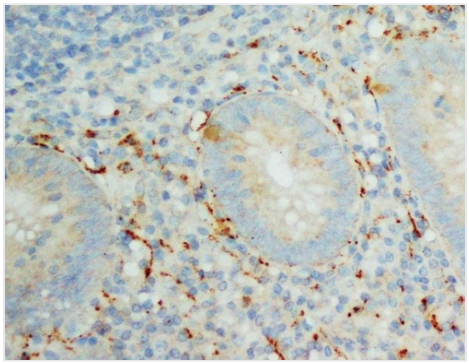
PRODUCT OVERVIEW

Product Name	IL-8 (IL8), Polyclonal Antibody
Full Product Name	Anti-IL-8 antibody
Product Gene Name	anti-IL8 antibody
Product Synonym Names	Interleukin-8(IL-8); interleukin 8; (Ala-IL-8)77 antibody; (Ser-IL-8)72 antibody; 3 10C antibody; 310C antibody; AMCF 1 antibody; AMCF1 antibody; b ENAP antibody; Bbeta thromboglobulin like protein antibody; Beta thromboglobulin like protein antibody; C-X-C motif chemokine 8 antibody; CXC chemokine ligand 8 antibody; CXCL 8 antibody; CXCL8 antibody; Emoctakin antibody; GCP 1 antibody; GCP-1 antibody; GCP/IL-8 protein I antibody; GCP/IL-8 protein II antibody; GCP/IL-8 protein III antibody; GCP/IL-8 protein IV antibody; GCP/IL-8 protein V antibody; GCP/IL-8 protein VI antibody; GCP1 antibody; Granulocyte chemotactic protein 1 antibody; IL 8 antibody; IL-8 antibody; IL-8(1-77) antibody; IL-8(9-77) antibody; IL8 antibody; IL8/NAP1 form I antibody; IL8/NAP1 form II antibody; IL8/NAP1 form III antibody; IL8/NAP1 form IV antibody; IL8/NAP1 form V antibody; IL8/NAP1 form VI antibody; IL8_HUMAN antibody; Inteleukin 8 antibody; Interleukin8 antibody; K 60 antibody; K60 antibody; LECT antibody; LUCT antibody; Lymphocyte derived neutrophil activating factor antibody; Lymphocyte-derived neutrophil-activating factor antibody; LYNAP antibody; MDNCF antibody; MDNCF-b antibody; MDNCF-c antibody; MONAP antibody; Monocyte derived neutrophil activating peptide antibody; Monocyte derived neutrophil activating protein antibody; Monocyte derived neutrophil chemotactic factor antibody; Monocyte-derived neutrophil chemotactic factor antibody; Monocyte-derived neutrophil-activating peptide antibody; NAF antibody; NAP 1 antibody; NAP-1 antibody; NAP1 antibody; Neutrophil activating factor antibody; Neutrophil activating peptide 1 antibody; Neutrophil activating protein 1 antibody; Neutrophil-activating factor antibody; Neutrophil-activating protein 1 antibody; Protein 3 10C antibody; Protein 3-10C antibody; SCYB 8 antibody; SCYB8 antibody; Small inducible cytokine subfamily B member 8 antibody; T cell chemotactic factor antibody; T-cell chemotactic factor antibody; TSG 1 antibody; TSG1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Lyophilized
Purity/Purification	Immunogen affinity purified.
Specificity	No cross reactivity with other proteins.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.
Molecular Weight	11,338 Da
OMIM	146930
3D Structure	ModBase 3D Structure for P10145
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human IL8 (77-95aa CLDPKENWVQRVVEKFLKR).
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-IL8 antibody	Western Blot (WB), Immunohistochemistry (IHC) Paraffin

Application Notes for anti-IL8 antibody	Western Blot (WB): Concentration: 0.1-0.5ug/ml Tested Species: Hu Predicted Species: - Antigen Retrieval: - Immunohistochemistry (Paraffin-embedded Section): Concentration: 0.5-1ug/ml Tested Species: Hu Predicted Species: - Antigen Retrieval: By Heat Tested Species: In-house tested species with positive results. Predicted Species: Species prediceted to be fit for the product based on sequence similarities. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH 6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested. Optimal dilutions should be determined by end users.
Related Product Information for anti-IL8 antibody	**Description:** Rabbit IgG polyclonal antibody for Interleukin-8(IL8) detection. Tested with WB, IHC-P in Human. **Background:** Interleukin-8(IL-8) is a chemokine produced by macrophages and other cell types such as epithelial cells. It is also synthesized by endothelial cells, which store IL-8 in their storage vesicles, the Weibel-Palade bodies. In humans, the interleukin-8 protein is encoded by the IL8 gene. Interleukin-8(IL8) is a member of the CXC chemokine family(Hull et al., 2001). IL-8 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. The genes for IL8 have been co-localized on a 335-kb genomic fragment.
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	MBS175692 is an antibody targeting IL8. Also known as Anti-IL-8 antibody. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-IL8 antibody
Anti-IL-8 antibody, MBS175692, Western blottingLane 1: Recombinant Human IL-18 Protein 10ngLane 2: Recombinant Human IL-18 Protein 5ngLane 3: Recombinant Human IL-18 Protein 2.5ng



Immunohistochemistry (IHC) of anti-IL8 antibody
Anti-IL-8 antibody, MBS175692, IHC(P)IHC(P): Human Appendicitis Tissue

ADDITIONAL DETAILS

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

NCBI GI #	124359
NCBI GeneID	3576
NCBI Accession #	P10145.1
UniProt Primary Accession #	P10145

UniProt Secondary Accession #	Q6FGF6; Q6LAE6; Q96RG6; Q9C077; Q9UCE1; Q9UCR8; Q9UCR9; Q9UCS0; B2R4L8
UniProt Related Accession #	P10145
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; Monocyte-derived neutrophil chemotactic factor; MDNCF; Monocyte-derived neutrophil-activating peptide; MONAP; Neutrophil-activating protein 1; NAP-1; Protein 3-10C; T-cell chemotactic factorCleaved into the following 7 chains:MDNCF-aAlternative name(s):GCP/IL-8 protein IV; IL8/NAP1 form I
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; emoctakin; interleukin 8; T-cell chemotactic factor; neutrophil-activating peptide 1; beta-thromboglobulin-like protein; granulocyte chemotactic protein 1; tumor necrosis factor-induced gene 1; alveolar macrophage chemotactic factor I; monocyte-derived neutrophil chemotactic factor; monocyte-derived neutrophil-activating peptide; small inducible cytokine subfamily B, member 8; lymphocyte derived neutrophil activating peptide; lung giant cell carcinoma-derived chemotactic protein; beta endothelial cell-derived neutrophil activating peptide
NCBI Summary for IL8	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]
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; Cytokine; Secreted; Motility/polarity/chemotaxis 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; negative regulation of G-protein coupled receptor protein signaling pathway; unfolded protein response; calcium-mediated signaling; chemotaxis; signal transduction; 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.** these data suggest that IL-8 plays an important role in breast cancer osteolysis

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