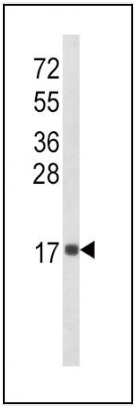
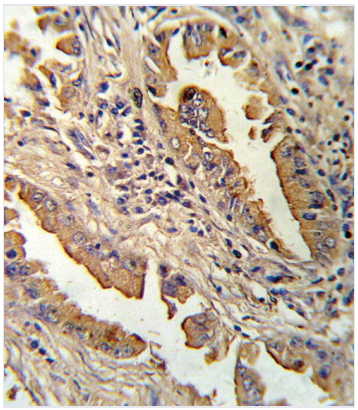
IL8 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

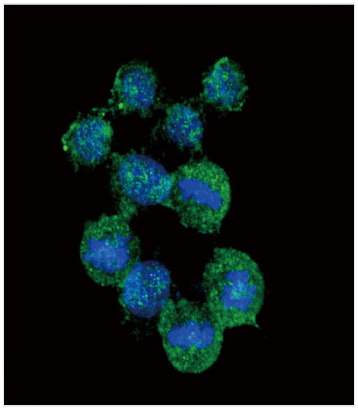
Product Name	IL8, Polyclonal Antibody
Full Product Name	IL8, CT (Interleukin-8, IL-8, C-X-C Motif Chemokine 8, Monocyte-derived Neutrophil Chemotactic Factor, MDNCF, T-cell Chemotactic Factor, Neutrophil-activating Protein 1, NAP-1, Protein 3-10C, Granulocyte Chemotactic Protein 1, GCP-1, Monocyte-derived Neut
Product Gene Name	anti-IL8 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Ammonium Sulfate Precipitation.
Specificity	Recognizes human IL8.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	9kDa (78aa), confirmed by MALDI-TOF.
OMIM	146930
3D Structure	ModBase 3D Structure for P10145
Immunogen	Synthetic peptide selected from the C-terminal region of human IL8 (KLH).
Conjugate	APC
Note	Preservative Free
Product Categories/Family for anti-IL8 antibody	Antibodies; Interleukin
Applications Tested/Suitable for anti-IL8 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-IL8 antibody	WB: 1:50-1:100 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-IL8 antibody	MBS6482843 is an antibody targeting IL8. Also known as IL8, CT (Interleukin-8, IL-8, C-X-C Motif Chemokine 8, Monocyte-derived Neutrophil Chemotactic Factor, MDNCF, T-cell Chemotactic Factor, Neutrophil-activating Protein 1, NAP-1, Protein 3-10C, Granulocyte Chemotactic Protein 1, GCP-1, Monocyte-derived Neut. Reactive in Human. Host: Rabbit.
Product References and Citations for anti-IL8 antibody	1. Baggiolini, M.et.al., FEBS Lett. 307(1), 97-101 (1992). 2. Holmes, W.E., et.al., Science 253(5025), 1278-1280 (1991).
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.



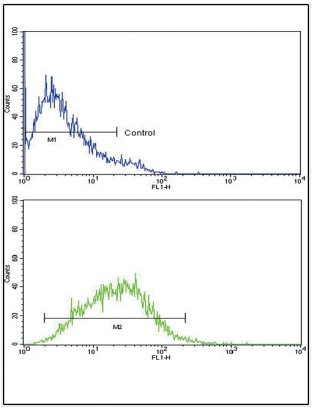
Western Blot (WB) of anti-IL8 antibody
Western blot analysis of IL8 Antibody (C-term) in MDA-MB468 cell line lysates (35ug/lane). IL8 (arrow) was detected using the purified Pab.



Immunohistochemistry (IHC) of anti-IL8 antibody
Formalin-fixed and paraffin-embedded human lung carcinoma reacted with IL8 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Immunofluorescence (IF) of anti-IL8 antibody
Confocal immunofluorescent analysis of IL8 Antibody (C-term) with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



Flow Cytometry (FC/FACS) of anti-IL8 antibody
IL8 Antibody (C-term) flow cytometric analysis of CEM cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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
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 isoform 1
NCBI Official Synonym Full Names	C-X-C motif chemokine 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; 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-a; Alternative name(s):; GCP/IL-8 protein IV; IL8/NAP1 form IInterleukin-8; Alternative name(s):; (Ala-IL-8)77; GCP/IL-8 protein II; IL-8(1-77); IL8/NAP1 form II; MDNCF-bIL-8(5-77)IL-8(6-77); Alternative name(s):; (Ser-IL-8)72; GCP/IL-8 protein I; IL8/NAP1 form III; Lymphocyte-derived neutrophil-activating factor; LYNAP; MDNCF-c; Neutrophil-activating factor; NAFIL-8(7-77); Alternative name(s):; GCP/IL-8 protein V; IL8/NAP1 form IVIL-8(8-77); Alternative name(s):; GCP/IL-8 protein VI; IL8/NAP1 form VIL-8(9-77); Alternative name(s):; GCP/IL-8 protein III; IL8/NAP1 form VI
Protein Family	G-protein coupled estrogen receptor
UniProt Gene Name	IL8
UniProt Synonym Gene Names	CXCL8; IL-8; GCP-1; MDNCF; MONAP; NAP-1; LYNAP; NAF
UniProt Entry Name	IL8_HUMAN
NCBI Protein Information	interleukin-8
NCBI Summary for IL8	The protein encoded by this gene is a member of the CXC chemokine family and is a major mediator of the inflammatory response. The encoded protein is secreted primarily by neutrophils, where it serves as a chemotactic factor by guiding the neutrophils to the site of infection. This chemokine 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 members of the CXC chemokine gene family form a gene cluster in a region of chromosome 4q. [provided by RefSeq, Aug 2017]
Research Articles on IL8	**1.** IL-6, IL-8, and IL-10 circulating levels were shown to be higher in cases of infection. Further studies are needed to recommend a routine practice for predicting culture-confirmed bacterial infections.
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