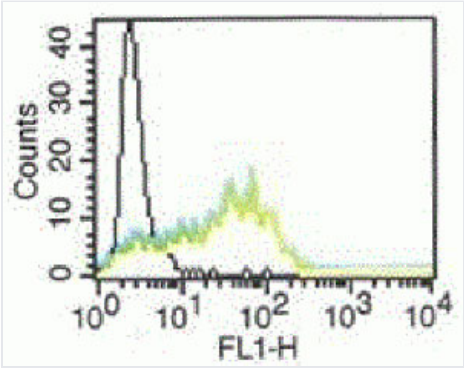
IL-8 Antibody – Mouse Monoclonal

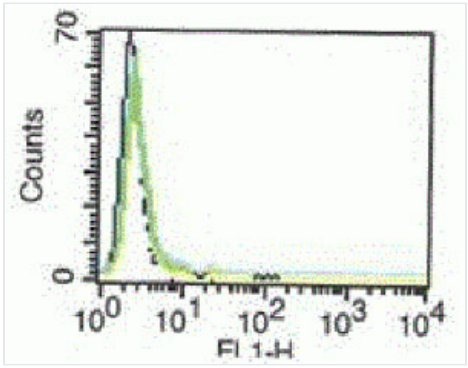
PRODUCT OVERVIEW

Product Name	IL-8, Monoclonal Antibody
Full Product Name	Mouse Anti-Human IL-8 Monoclonal Antibody,Azide Free Clone B-K8
Product Gene Name	anti-IL-8 antibody
Product Synonym Names	IL-8
Clonality	Monoclonal
Isotype	Mouse IgG1 Kappa light chain
Clone Number	B-K8
Host	Mouse
Species Reactivity	Human
Form/Format	Phosphate-buffered saline. Sterile-filtered through 0.22 um. Carrier and preservative free
Purity/Purification	Ion exchange chromatography
Specificity	Recognises both natural and recombinant human IL-8
Preparation and Storage	Store at +2-8 degree C for 12 months. For longer storage, freeze aliquots.
Matching Pairs	Unconjugated Azide Free Antibody: IL-8 Clone #B-K8 (MBS335032) PE Conjugated Antibody: IL-8 Clone #B-K8 (MBS335191)
3D Structure	ModBase 3D Structure for P26894
Hybridoma	Myeloma X63/AG.8653 x Balb/c spleen cells
Immunization	Recombinant human IL-8
Biological Activity	Inhibits IL-8 induced chemotaxis of human neutrophils.
Applications Tested/Suitable for anti-IL-8 antibody	Flow Cytometry (FC/FACS), ELISA, Functional Assay
Related Product Information for anti-IL-8 antibody	Interleukin 8 (IL-8) or CXCL8, Monocyte-Derived Neutrophil Chemotactic Factor (MDNCF), Neutrophil Activating Factor (NAF) and NAD-P1 is a chemokine secreted by monocytes, macrophages and endothelial cells. IL-8 chemoattracts and activates neutrophils. The predominant form of IL-8 is a 8.4kDa protein containing 72 amino acid residues, which includes five additional N-Terminal amino-acids. IL-8 contains the four conserved cysteine residues present in CXC chemokines and also contains the “ELR” motif common to CXC chemokines that binds to CXCR1 and CXCR2. Data indicate that IL-8 may participate in the pathogenesis of rheumatoid arthritis via the induction of neutrophil-mediated cartilage damage, and psoriasis. A causative involvement of IL-8 is found within a broad range of clinico-pathological conditions : adult respiratory distress syndrome, asthma, bacterial infections, bladder cancer, graft rejection and influenza infection, due to the now known biological properties of IL-8. This cytokine especially in combinations with other neutrophil activating agents, may prove helpful in the treatment of patients suffering from granulocytopenia, severe infections against which antibiotics are not effective, and immunodeficiency caused by HIV.
Product References and Citations for anti-IL-8 antibody	Schruefer et.al Am J Physiol Heart Ciec Physiol 2005

Other Notes	Small volumes of anti-IL-8 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 IL-8 purchase	MBS335032 is an antibody targeting IL-8. Also known as Mouse Anti-Human IL-8 Monoclonal Antibody,Azide Free Clone B-K8. Reactive in Human. Host: Mouse.



Flow Cytometry (FC/FACS) of anti-IL-8 antibody
The graph on the left represents activated monocytes marked with B-K8.



Flow Cytometry (FC/FACS) of anti-IL-8 antibody
The graph on the right shows B-K8 with non-activated monocytes. In the two cases, the dotted line represents the IgG1 isotype control.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL-8. It may not necessarily be applicable to this product.

NCBI GI #	47523124
NCBI GeneID	396880
NCBI Accession #	NP_999032.1
UniProt Primary Accession #	P26894
UniProt Secondary Accession #	P22951
UniProt Related Accession #	P26894
GenBank Nucleotide #	NM_213867.1
NCBI Official Full Name	interleukin-8
NCBI Official Symbol	IL8
NCBI Official Synonym Symbols	CXCL8; AMCF-I
UniProt Protein Name	Interleukin-8
UniProt Synonym Protein Names	Alveolar macrophage chemotactic factor I; AMCF-I; C-X-C motif chemokine 8; Chemokine (C-X-C motif) ligand 8
UniProt Gene Name	CXCL8
UniProt Synonym Gene Names	IL8; IL-8; AMCF-I
UniProt Entry Name	IL8_PIG
NCBI Protein Information	interleukin-8
UniProt Comments for IL-8	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.
Research Articles on IL-8	**1.** Suggest that the interplay between TGFbeta-2 and LPS regulates the levels of IL-8 in the immature newborn intestine.

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