

## Mouse anti-Human IL-8 Monoclonal Antibody | anti-IL-8 antibody

Mouse Anti-Human IL-8 Monoclonal Antibody, Azide Free Clone B-K8

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                                              |
|-----------|-------|------------|-----------------------------------------------------------|
| AAA58559  | Mouse | Human      | Functional Assay, ELISA, Flow Cytometry, Functional Assay |

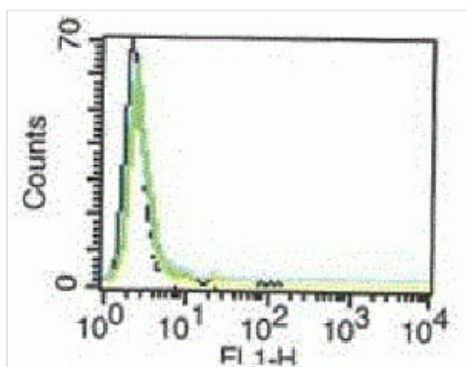
### PRODUCT SYNONYMS

IL-8; Monoclonal Antibody; Mouse Anti-Human IL-8 Monoclonal Antibody; Azide Free Clone B-K8; anti-IL-8 antibody

### PRODUCT SPECIFICATIONS

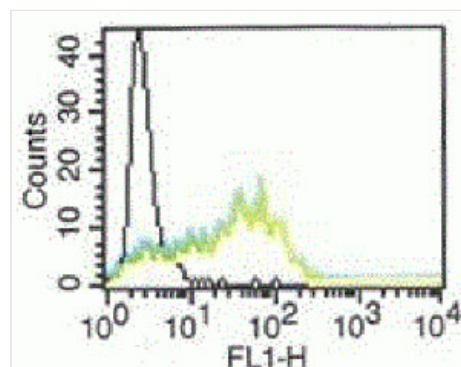
|                                                |                                                                                            |
|------------------------------------------------|--------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                      |
| Reactivity                                     | Human                                                                                      |
| Clonality                                      | Monoclonal                                                                                 |
| Isotype                                        | Mouse IgG1 Kappa light chain                                                               |
| Clone Number                                   | B-K8                                                                                       |
| Specificity                                    | Recognises both natural and recombinant human IL-8                                         |
| Purity/Purification                            | Ion exchange chromatography                                                                |
| Form/Format                                    | Phosphate-buffered saline. Sterile-filtered through 0.22 um. Carrier and preservative free |
| Applicable Applications for anti-IL-8 antibody | FA (Functional Assay), ELISA, FCM/FACS (Flow Cytometry)                                    |
| 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.                                     |
| Preparation and Storage                        | Store at +2-8 degree C for 12 months. For longer storage, freeze aliquots.                 |

### IMAGES



FCM/FACS (Flow Cytometry)

The graph on the right shows B-K8 with non-activated monocytes. In the two cases, the dotted line represents the IgG1 isotype control.



FCM/FACS (Flow Cytometry)

The graph on the left represents activated monocytes marked with B-K8.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-IL-8 antibody | <p>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.</p> <p>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.</p> <p>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.</p> |
| References                                         | Schruefer et.al Am J Physiol Heart Ciec Physiol 2005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

NCBI AND UNIPROT INFORMATION

|                               |                   |
|-------------------------------|-------------------|
| NCBI GI #                     | 47523124          |
| NCBI GeneID                   | 396880            |
| NCBI Accession #              | NP_999032.1       |
| NCBI GenBank Nucleotide #     | NM_213867.1       |
| UniProt Accession #           | P26894; P22951    |
| NCBI Official Full Name       | interleukin-8     |
| NCBI Official Symbol          | IL8               |
| NCBI Official Synonym Symbols | CXCL8; AMCF-I     |
| NCBI Protein Information      | interleukin-8     |
| UniProt Protein Name          | Interleukin-8     |
| UniProt Gene Name             | CXCL8             |
| UniProt Synonym Gene Names    | IL8; IL-8; AMCF-I |
| UniProt Entry Name            | IL8_PIG           |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.