



Anti-Human IL-8

20160302BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	101-M08
Size:	500 µg
Lot. No.:	According to product label

Preparation: Monoclonal antibodies were produced in mice immunized with highly pure recombinant human IL-8. Anti-human IL-8 specific antibody was purified from cell culture by Protein G affinity chromatography.

Target Background

Synonyms (Target):	IL8; NAF; GCP1; LECT; LUCT; NAPI; CXCL8; GCP-1; LYNAP; MDNCF; MONAP; NAP-1
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IL-8 or CXCL8 was originally discovered and purified as a neutrophil chemotactic and activating factor. It was also referred to as neutrophil chemotactic factor (NCF), neutrophil activating protein (NAP), monocytederived neutrophil chemotactic factor (MDNCF), T lymphocyte chemotactic factor (TCF), granulocyte chemotactic protein (GCP) and leukocyte adhesion inhibitor (LAI). Many cell types, including monocyte/macrophages, T cells, neutrophils, fibroblasts, endothelial cells, keratinocytes, hepatocytes, chondrocytes, and various tumor cell lines, can produce CXCL8 in response to a wide variety of proinflammatory stimuli such as exposure to IL-1, TNF, LPS, and viruses. CXCL8 is a member of the alpha (CXC) subfamily of chemokines, which also includes platelet factor-4, GRO, and IP10.

Database References Target

Protein RefSeq:	NP_000575.1
Uniprot ID:	P10145
mRNA RefSeq:	NM_000584.3

Product Specifications

Species reactivity	Human
Cross reactivity	Human
Host	Mouse
Clonality / Isotype	Monoclonal Antibodies / IgG1 _k
Purification	Protein G chromatography
Immunogen	recombinant Human IL-8
Formulation	lyophilized
Reconstitution buffer	water

Reconstitution: Reconstitute the antibody in sterile water to a concentration of 0.1 - 1.0 mg/ml.

Stability: Lyophilized antibody is stable at room temperature for up to 1 month. The reconstituted antibody is stable for at least 2 weeks at 2-8°C. Frozen aliquots are stable for at least 6 months when stored at -20°C.



AVOID REPEATED FREEZE AND THAW CYCLES!

Applications

ELISA:

In a sandwich ELISA (assuming 100 µl/well), a concentration of 2 - 4 µg/ml of this antibody will detect at least 1000 pg/ml of recombinant human IL-8 when used with biotinylated antigen affinity purified anti-human IL-8 as the detection antibody at a concentration of approximately 0.5 - 1 µg/ml.

Western Blot:

To detect hIL-8 by Western Blot analysis this antibody can be used at a concentration of 0.2 - 0.4 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hIL-8 is 2 - 4 ng/lane, under non-reducing conditions.

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!