

Recombinant *Macaca mulatta* Interleukin 8

Cat. No. IL8-5434M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant RhesusMonkey IL8 is expressed in E. coli.
Species	<i>Macaca mulatta</i>
Source	E.coli
Description	IL8, also named CXCL8, monocyte-derivedneutrophil chemotactic factor (MDNCF), neutrophil-activating protein 1(NAP1), neutrophil-activating factor (NAF) and granulocyte chemotacticpeptide (GCP), belongs to the Glu-Leu-Arg motif containing (ELR+)CXC chemokine family and has been designated CXCL8. IL8 is a potentneutrophil chemoattractant that recruits neutrophils to sites ofinflammation. IL8 also activates neutrophil functions and promotesangiogenesis.
Form	Lyophilized from a0.2p filtered concentrated solution in PBS, pH 7.4.
MolecularWeight	Approximately 9.1kDa, a single non-glycosylated polypeptide chain containing 79 amino acids.
Purity	> 97% by SDS-PAGEand HPLC analyses
Endotoxin Level	Less than 1EU/g ofrRh IL8 as determined by LAL method.
Biological Activity	Determined by itsability to chemoattract human peripheral blood neutrophils using aconcentration range of 25-150 ng/ml.

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Sequences	AVLPRSAKELRCECIKTYSK PFHPKFIKEL RVIESGPHCA NTEIIVKLSD GRELCLDPKE PWVQRVVEKF VKRAENQNP
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤-20°C. Further dilutions should be made in appropriate buffered solutions.
Storage	This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. Avoid repeated freeze/thaw cycles.
Official Symbol	IL8
GENE INFORMATION	
Gene Name	IL8 interleukin 8 [<i>Macaca mulatta</i>]
Synonyms	IL8; interleukin 8; interleukin-8; IL-8; C-X-C motif chemokine 8
Gene ID	613028
mRNA Refseq	NM_001032965
Protein Refseq	NP_001028137
UniProt ID	P67813
Chromosome	5

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Location**Pathway**

Amoebiasis; Bladder cancer; Chemokine signaling pathway; Cytokine-cytokine receptor interaction; Hepatitis C; Hepatitis A; Legionellosis; Malaria; NOD-like receptor signaling pathway; Pathways in cancer; Pertussis; RIG-I-like receptor signaling pathway; Rheumatoid arthritis; Salmonella infection; Toll-like receptor signaling pathway

PDB rendering based on 1IL8.

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