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	Macaca mulatta
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 a0.2μm 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/μg 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 thatthis vial be briefly centrifuged prior to opening to bring the contents tothe bottom. Reconstitute in sterile distilled water or aqueous buffercontaining 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutionsshould be apportioned into working aliquots and stored at ≤-20°C. Furtherdilutions should be made in appropriate buffered solutions.
Storage	This lyophilizedpreparation is stable at 2-8°C, but should be kept at -20°C for long termstorage, preferably desiccated. Upon reconstitution, the preparation isstable for up to one week at 2-8°C. For maximal stability, apportion thereconstituted preparation into working aliquots and store at -20°C to -80°C.Avoid repeated freeze/thaw cycles.
OfficialSymbol	IL8

GENE INFORMATION

Gene Name	IL8 interleukin 8 [Macacamulatta]
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; Chemokinesignaling pathway; Cytokine-cytokine receptor interaction; Hepatitis C; HepatitisA; Legionellosis; Malaria; NOD-like receptor signaling pathway; Pathways incancer; Pertussis; RIG-I-like receptor signaling pathway; Rheumatoidarthritis; Salmonella infection; Toll-like receptor signaling pathway
PDBrendering based on 1IL8.	

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