9051 Mira Mesa Blvd, #910094
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# IL 8 Canine

*Interleukin-8 Canine Recombinant*
*CHK0073*

## Product Overview

| | |
|---|---|
| Name | IL 8 Canine |
| **Description** | |
| Interleukin-8 Canine Recombinant | |
| Accession (Primary) | P41324 |
| **Synonyms** | |
| Interleukin-8, IL-8, C-X-C motif chemokine 8, IL8, CXCL8. | |
| **Introduction** | |
| Interleukin-8 (IL-8) is a chemokine produced by macrophages and other cell types such as epithelial cells. It is also synthesized by endothelial cells, which store IL-8 in their storage vesicles, the Weibel-Palade bodies.When first encountering an antigen, the primary cells to encounter it are the macrophages who phagocytose the particle. Upon processing, they release chemokines to signal other immune cells to come in to the site of inflammation. IL-8 is one such chemokine. It serves as a chemical signal that attracts neutrophils at the site of inflammation, and therefore is also known as Neutrophil Chemotactic Factor. | |
| **Source** | |
| Escherichia Coli. | |
| **Physical Appearance** | |
| Sterile Filtered White lyophilized (freeze-dried) powder. | |
| **Formulation** | |
| Lyophilized from a 0.2 μm filtered concentrated solution in 1×PBS, pH 7.4. | |
| **Stability** | |
| Lyophilized IL-8 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL8 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles. | |
| **Purity** | |
| Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE. | |
| **Amino acid sequence** | |
| AVLSRVSSEL RCQCIKTHST PFHPKYIKEL RVIDSGPHCE NSEIIVKLFN GNEVCLDPKE KWVQKVVQIF LKKAEKQDP. | |

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**Biological Activity**

The biological activity determined by a chemotaxis bioassay using human CXCR2 transfected murine BaF3 cells is in a concentration range of 0.15-0.75 ng/ml.

**Solubility**

It is recommended to reconstitute the lyophilized IL-8 in sterile 18M-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

**Precautions**

IL 8 Canine is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( P41324 )