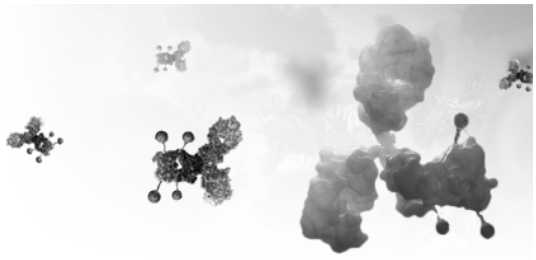

Human Interleukin 8 (DAG352)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Interleukin-8 (IL-8) is a chemokine produced by macrophages andother cell types such as epithelial cells. It is also synthesized byendothelial cells, which store IL-8 in their storage vesicles, theWeibel-Palade bodies. In humans, the interleukin-8 protein is encoded by theIL8 gene.
Species	Human
Conjugate	Unconjugated
Applications	Biological activity was determined by its ability tochemoattract human peripheral blood neutrophils using a concentration of25.0-150.0ng/ml. Each laboratory should determine an optimum working titerfor use in its particular application. Other applications
Format	Purified, Lyophilized. We recommend a quick spin followed byreconstitution in water to a concentration of 0.1-1.0 mg/ml. This solution canthen be diluted into othe buffered solutions and stored (up to 1 week) at2-8°C or stored at –20°C for future use.
Concentration	Notapplicable.
Buffer	Notapplicable
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	IL-8 is a chemotactic factor that attracts neutrophils, basophils, and T-cells, but not monocytes. It is also involved in neutrophil activation. It is released from several cell types in response to an inflammatory stimulus. IL-8(6-77) has a 5-10-fold higher activity on neutrophil activation, IL-8(5-77) has increased activity on neutrophil activation and IL-8(7-77) has a higher affinity to

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	receptors CXCR1 and CXCR2 as compared to IL-8(1-77), respectively.
Keywords	IL8; interleukin 8; interleukin-8; IL-8; C-X-C motif chemokine 8;

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