

Polyclonal Anti- IL8 Picoband™ Antibody

Catalog Number: PB9621

Description

Gene Name	interleukin 8
Recommended Protein Name	Interleukin-8
Lot No.	0961512Da932196
Size	100µg/vial
Form	lyophilized
Ig type	Rabbit IgG
Specificity	No cross reactivity with other proteins.
Purification	Immunogen affinity purified.
Species	Reacts with: human
Immunogen	E. coli-derived human IL8 recombinant protein (Position: A23-S99).
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .

Application

	Concentration	Tested Species	Antigen Retrieval
Western blot	0.1-0.5µg/ml	Hu	-
ELISA	0.1-0.5µg/ml	Hu	-

Tested Species: In-house tested species with positive results.

Other applications have not been tested.

Optimal dilutions should be determined by end users.

Preparation and storage

Reconstitution: 0.2ml of distilled water will yield a concentration of 500µg/ml.

Storage: At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time.

Avoid repeated freezing and thawing.

Relevant detection systems

Boster provides a series of assays reacted with primary antibodies. Antibody can be supported by chemiluminescence kit EK1002 in WB.

Background

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. In humans, the interleukin-8 protein is encoded by the IL8 gene. Interleukin-8 (IL8) is a member of the CXC chemokine family. IL-8 is believed to play a role in the pathogenesis of bronchiolitis, a common respiratory tract disease caused by viral infection. This gene and other ten members of the CXC chemokine gene family form a chemokine gene cluster in a region mapped to chromosome 4q. The genes for IL8 have been co-localized on a 335-kb genomic fragment.

Reference

1. "Entrez Gene: IL8 interleukin 8".
2. Köhidai L, Csaba G (July 1998). "Chemotaxis and chemotactic selection induced with cytokines (IL-8, RANTES and TNF-alpha) in the unicellular Tetrahymena pyriformis".
3. Modi WS, Dean M, Seunanez HN, Mukaida N, Matsushima K, O'Brien SJ (January 1990). "Monocyte-derived neutrophil chemotactic factor (MDNCF/IL-8) resides in a gene cluster along with several other members of the platelet factor 4 gene superfamily".
4. O'Donovan, N., Galvin, M., Morgan, J. G. Physical mapping of the CXC chemokine locus on human chromosome 4. Cytogenet.
5. Utgaard JO, Jahnsen FL, Bakka A, Brandtzaeg P, Haraldsen G (November 1998). "Rapid secretion of prestored interleukin 8 from Weibel-Palade bodies of microvascular endothelial cells".
6. Wolff B, Burns AR, Middleton J, Rot A (November 1998). "Endothelial cell "memory" of inflammatory stimulation: human venular endothelial cells store interleukin 8 in Weibel-Palade bodies".