

## Anti-IL8/CXCL8 Antibody Picoband® Cy3 Conjugated

Catalog Number: PB9621-Cy3

### About CXCL8

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.

### Overview

|                      |  |
|----------------------|--|
| Product Name         | Anti-IL8/CXCL8 Antibody Picoband® Cy3 Conjugated   |
| Reactive Species     | Human  |
| Application          | Flow Cytometry   |
| Clonality            | Polyclonal   |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.         |
| Host                 | Rabbit   |
| Uniprot ID           | P10145   |

### Technical Details

|                     |  |
|---------------------|--|
| Immunogen           | E. coli-derived human IL-8 recombinant protein (Position: A23-S99).  |
| Cross Reactivity    | No cross-reactivity with other proteins                              |
| Isotype             | Rabbit IgG   |
| Form                | Liquid   |
| Concentration       | 0.5 mg/mL  |
| Purification        | Immunogen affinity purified.   |
| Conjugate           | Cy3<br>Excitation Wavelength: 554 nm<br>Emission Wavelength: 568 nm  |
| Suggested Dilutions | Flow Cytometry, Optimal dilutions should be determined by end users. |

## 38 Publications Citing This Product

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1. PubMed ID: 33550074, Hou J,Lei Z,Cui L,Hou Y,Yang L,An R,Wang Q,Li S,Zhang H,Zhang L.Polystyrene microplastics lead to pyroptosis and apoptosis of ovarian granulosa cells via NLRP3/Caspase-1 signaling pathway in rats.Ecotoxicol Environ Saf.2021 Feb 4;212:112012.doi:10.1016/j.
2. PubMed ID: 25317156, Neuroprotective effect of pretreatment with ganoderma lucidum in cerebral ischemia/reperfusion injury in rat hippocampus
3. PubMed ID: 25807257, Zhang H, Xia X, Han F, Jiang Q, Rong Y, Song D, Wang Y. Mol Pharm. 2015 May 4;12(5):1648-61. Doi: 10.1021/Acs.Molpharmaceut.5B00069. Epub 2015 Apr 2. Cathelicidin-Bf, A Novel Antimicrobial Peptide From Bungarus Fasciatus, Attenuates Disease In A D...

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