

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

Catalog Number: PA1353-HRP

### 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 (Hull et al., 2001). 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® HRP Conjugated                                    |
| Reactive Species     | Human   |
| Application          | WB, IHC, ELISA  |
| Clonality            | Polyclonal  |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.    |
| Host                 | Rabbit  |
| Uniprot ID           | P10145  |

### Technical Details

|                     |   |
|---------------------|---|
| Immunogen           | A synthetic peptide corresponding to a sequence at the C-terminus of human IL8.   |
| Cross Reactivity    | No cross-reactivity with other proteins   |
| Isotype             | Rabbit IgG  |
| Form                | Liquid  |
| Concentration       | 0.5 mg/mL   |
| Purification        | Immunogen affinity purified.  |
| Conjugate           | HRP   |
| Suggested Dilutions | Western blot, Optimal dilutions should be determined by end users.<br>Immunohistochemistry (Paraffin-embedded Section), Optimal dilutions should be determined by end users.<br>ELISA, Optimal dilutions should be determined by end users. |

## 46 Publications Citing This Product

1. PubMed ID: 26949603, Inhibition of zymosan-induced cytokine and chemokine expression in human corneal fibroblasts by triptolide
2. PubMed ID: 28726780, FOXQ1 regulates senescence-associated inflammation via activation of SIRT1 expression
3. PubMed ID: 25317156, Neuroprotective effect of pretreatment with ganoderma lucidum in cerebral ischemia/reperfusion injury in rat hippocampus

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