

## IL-8/CXCL8 Monoclonal Antibody(Detector)

**catalog number:** AN002150P

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

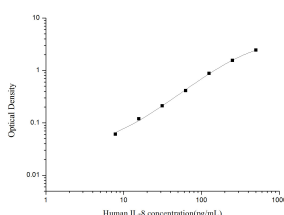
|                     |  |
|---------------------|--|
| <b>Reactivity</b>   | Human  |
| <b>Immunogen</b>    | Recombinant Human IL-8/CXCL8 protein expressed by Mammalian        |
| <b>Host</b>         | Rat  |
| <b>Isotype</b>      | Rat IgG1   |
| <b>Clone</b>        | 3E8  |
| <b>Purification</b> | Protein A/G Purification   |
| <b>Conjugation</b>  | Unconjugated   |
| <b>Buffer</b>       | Phosphate buffered solution, pH 7.2, containing 0.05% proclin 300. |

### Applications

### Recommended Dilution

|                       |               |
|-----------------------|---------------|
| <b>ELISA Detector</b> | 0.1-0.4 µg/mL |
|-----------------------|---------------|

### Data



Sandwich ELISA-Recombinant Human IL-8/CXCL8 protein standard curve. Background subtracted standard curve using IL-8/CXCL8 antibody(AN002140P)(Capture), IL-8/CXCL8 antibody(AN002150P)(Detector) in sandwich ELISA. The reference range value for Recombinant Human IL-8/CXCL8 protein is 7.81-500 pg/mL.

### Preparation & Storage

|                 |  |
|-----------------|--|
| <b>Storage</b>  | Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.       |
| <b>Shipping</b> | The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended. |

### Background

Interleukin 8 (IL-8), also known as CXCL8, which is a member of the CXC chemokine family. This chemokine is secreted by a variety of cell types including monocyte/macrophages, T cells, neutrophils, fibroblasts, endothelial cells, and various tumor cell lines in response to inflammatory stimuli. IL-8 has two primary functions. It induces chemotaxis in target cells, primarily neutrophils but also other granulocytes, causing them to migrate toward the site of infection. IL-8 also induces phagocytosis once they have arrived. This gene is believed to play a role in the pathogenesis of bronchiolitis, a common respiratory tract disease caused by viral infection. IL-8 is also known to be a potent promoter of angiogenesis. IL-8 has been associated with tumor angiogenesis, metastasis, and poor prognosis in breast cancer. IL-8 may present a novel therapeutic target for estrogen driven breast carcinogenesis and tumor progression.

### For Research Use Only