

## CXCL9/MIG Polyclonal Antibody(Capture/Detector)

**catalog number:** AN003890P

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

### Description

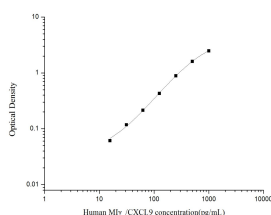
<b>Reactivity</b>	Human
<b>Immunogen</b>	Recombinant Human CXCL9/MIG Protein expressed by E.coli
<b>Host</b>	Rabbit
<b>Isotype</b>	Rabbit IgG
<b>Purification</b>	Antigen Affinity Purification
<b>Conjugation</b>	Unconjugated
<b>Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.05% proclin 300.

### Applications

### Recommended Dilution

<b>ELISA Capture</b>	2-8 µg/mL
<b>ELISA Detector</b>	0.1-0.4 µg/mL

### Data



Sandwich ELISA-Recombinant Human CXCL9/MIG Protein standard curve. Background subtracted standard curve using Anti-CXCL9/MIG antibody(AN003890P)(Capture), Anti-CXCL9/MIG antibody(AN003890P)(Detector). The reference range value is 15.63-1000 pg/mL for human.

### 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

C-X-C motif chemokine ligand 9 (CXCL9, MIG) is a soluble chemokine expressed by multiple cell types, such as endothelial cells, monocytes, and tumor cells. The expression of CXCL9 is upregulated in response to proinflammatory cytokines, such as IFN- $\gamma$  and TNF- $\alpha$ . (1,2). CXCL9 binds to CXCR3, a GPCR that is expressed on the surface of multiple populations of immune cells, particularly exclusively activated T lymphocytes (3). Binding of CXCL9 to CXCR3 promotes T cell chemotaxis and infiltration into sites of inflammation that form in settings such as viral infection and tumorigenesis (4-6). Research studies have demonstrated production of CXCL9 by tumor cells mediates tumor suppression through the recruitment of tumor antigen-specific T cells (7).

### For Research Use Only