

CXCL2/MIP-2 Polyclonal Antibody(Capture/Detector)

catalog number: AN003810P

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

Description

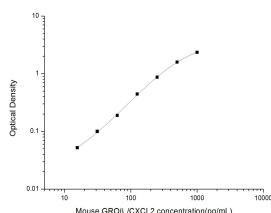
Reactivity	Mouse;Rat
Immunogen	Recombinant Mouse CXCL2/MIP-2 Protein expressed by E.coli
Host	Rabbit
Isotype	Rabbit IgG
Purification	Antigen Affinity Purification
Conjugation	Unconjugated
buffer	Phosphate buffered solution, pH 7.2, containing 0.05% proclin 300.

Applications

Recommended Dilution

ELISA Capture	2-8 µg/mL
ELISA Detector	0.1-0.4 µg/mL

Data



Sandwich ELISA-Recombinant Mouse CXCL2/MIP-2 Protein standard curve. Background subtracted standard curve using Anti-CXCL2/MIP-2 antibody(AN003810P) (Capture), Anti-CXCL2/MIP-2 antibody(AN003810P) (Detector). The reference range value is 15.63-1000 pg/mL for mouse.

Preparation & Storage

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

Background

CXCL2, also known as macrophage inflammatory protein 2-alpha (MIP2-alpha), is a member of CXC chemokine family that binds to CXC chemokine receptor 2 (CXCR2). CXCL2 is mainly produced by macrophages, endothelial cells, epithelial cells and tumor cells. CXCL2 plays important roles in various biological progresses such as angiogenesis, inflammation, immune response and cancer biological behaviors. Under inflammatory conditions in CNS, microglia and astrocytes may secrete CXCL2 as well as other chemokines, which induces chemotaxis and infiltration of circulatory neutrophils. Indeed, previous studies suggest that CXCL2 is involved in Alzheimer disease, multiple sclerosis and brain ischemia.

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