

# Biotin Conjugated Anti-Human CXCL1/GRO alpha Antibody [PSH05-95]

## HA722587B



<b>Product Type:</b>	Recombinant Rabbit monoclonal IgG, primary antibodies
<b>Species reactivity:</b>	Human
<b>Applications:</b>	ELISA(Det)
<b>Molecular Wt:</b>	Predicted band size: 11 kDa
<b>Clone number:</b>	PSH05-95

**Description:** This antimicrobial gene encodes a member of the CXC subfamily of chemokines. The encoded protein is a secreted growth factor that signals through the G-protein coupled receptor, CXC receptor 2. This protein plays a role in inflammation and as a chemoattractant for neutrophils. Aberrant expression of this protein is associated with the growth and progression of certain tumors. A naturally occurring processed form of this protein has increased chemotactic activity. Alternate splicing results in coding and non-coding variants of this gene. A pseudogene of this gene is found on chromosome 4. Has chemotactic activity for neutrophils. May play a role in inflammation and exerts its effects on endothelial cells in an autocrine fashion. In vitro, the processed forms GRO-alpha(4-73), GRO-alpha(5-73) and GRO-alpha(6-73) show a 30-fold higher chemotactic activity.

**Conjugate:** Biotin-conjugated

**Immunogen:** Recombinant protein within Human CXCL1/GRO alpha aa 35-107.

**Positive control:** Recombinant standard Human CXCL1/GRO alpha protein (HA210838).

**Subcellular location:** Secreted.

**Database links:** SwissProt: P09341 Human

**Recommended Dilutions:**

**ELISA(Det)** Use at an assay dependent concentration. Can be paired for Sandwich ELISA with Rabbit monoclonal [PSH05-94] to Human CXCL1/GRO alpha (Capture) (HA722493) and recombinant standard Human CXCL1/GRO alpha protein (HA210838) as the standard. The reference range value is 30.9-2500 pg/ml.

**Storage Buffer:** PBS (pH7.4), 0.1% BSA, 40% Glycerol. Preservative: 0.05% ProClin300.

**Storage Instruction:** Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.

**Purity:** Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

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Applications:WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

No Images

**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Wuyts A., Govaerts C., Struyf S., Lenaerts J.-P., Put W., Conings R., Proost P., Van Damme J. Isolation of the CXC chemokines ENA-78, GRO alpha and GRO gamma from tumor cells and leukocytes reveals NH2-terminal heterogeneity. Functional comparison of different natural isoforms. Eur. J. Biochem. 260:421-429 (1999)
2. Kong J., Xu S., Zhang P., Zhao Y. CXCL1 promotes immune escape in colorectal cancer by autophagy-mediated MHC-I degradation. Hum Immunol 84:110716-110716 (2023)

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