



# GRO $\alpha$ Monoclonal Antibody

Catalog No	BYmab-15921
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	CXCL1
Protein Name	Growth-regulated alpha protein
Immunogen	The antiserum was produced against synthesized peptide derived from human GRO $\alpha$ . AA range:39-88
Specificity	GRO $\alpha$ Monoclonal Antibody detects endogenous levels of GRO $\alpha$ protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	CXCL1; GRO; GRO1; GROA; MGSA; SCYB1; Growth-regulated alpha protein; C-X-C motif chemokine 1; GRO-alpha(1-73); Melanoma growth stimulatory activity; MGSA; Neutrophil-activating protein 3; NAP-3
Observed Band	11kDa
Cell Pathway	Secreted.
Tissue Specificity	Blood,Ovary,Peripheral blood monocyte,Placenta,Skin,
Function	function: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.,online information:CXCL1 entry,PTM:N-terminal processed forms GRO-alpha(4-73), GRO-alpha(5-73) and GRO-alpha(6-73) are produced by proteolytic cleavage after secretion from peripheral blood monocytes.,similarity:Belongs to the intercrine alpha (chemokine CxC) family.,

Nanjing BYabscience technology Co.,Ltd

**Background**

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. [provided by RefSeq, Sep 2014],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images