



GRO α Monoclonal Antibody

Catalog No	YP-mAb-15921
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	CXCL1
Immunogen	The antiserum was produced against synthesized peptide derived from human GRO α . AA range:39-88
Specificity	GRO α Monoclonal Antibody detects endogenous levels of GRO α 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 1:500-1:2000
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	C-X-C motif chemokine 1;Chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity;alpha);chemokine (C-X-C motif) ligand 1;CINC-1;CXCL1;Cytokine-induced neutrophil chemoattractant 1;Fibroblast secretory protein;Fsp;Gro 1;Gro A;Gro;GRO protein;alpha;GRO-alpha(1-73);GRO-alpha(6-73);Gro1;GRO1 oncogene (melanoma growth stimulating activity;GRO1 oncogene (melanoma growth-stimulating activity);Gro1 oncogene;GRO α ;GRO α _HUMAN;Growth-regulated alpha protein;KC;KC chemokine;mouse;homolog of;melanoma growth stimulatory activity alpha;Melanoma growth stimulatory activity;MGSA alpha;MGSA;MGSA-a;N51;NAP-3;NAP3;Neutrophil-activating protein 3;Platelet-derived growth factor-inducible protein KC;Scyb 1;Scyb1;Secretory protein N51;Small inducible cytokine subfamily B;member 1;GRO α
Observed Band	11kDa
Calculated Molecular Weight	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.,

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