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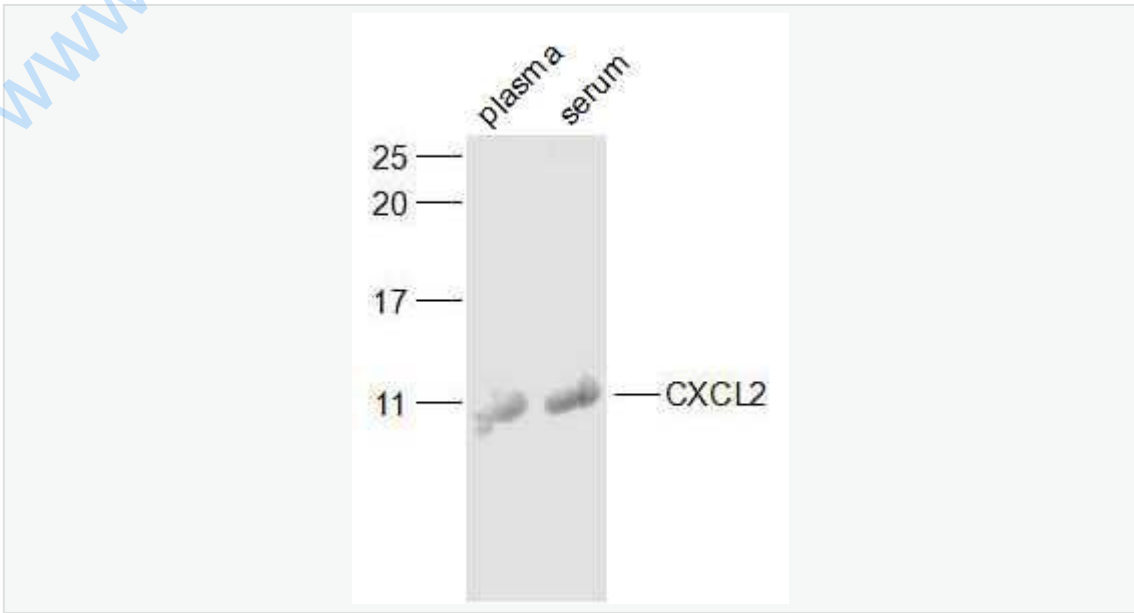
Rabbit Anti-CXCL2/GRO Beta antibody

SL1162R

Product Name:	CXCL2/GRO Beta
Chinese Name:	巨噬细胞炎症蛋白2（GROβ）抗体
Alias:	C-X-C motif chemokine 2; Chemokine (C X C motif) ligand 2; Chemokine, CXC motif, ligand 2; CINC 2a; CINC2a; CINC3; CXC chemokine; CXCL 2; CXCL2; MIP2; MIP 2; MIP-2; Cytokine-induced neutrophil chemoattractant 3; GRO 2; GRO b; GRO protein, beta; Gro-beta; GRO2; GRO2 oncogene; GROb; GRObeta; GRO Beta; Growth regulated protein beta; GROX; Macrophage inflammatory protein 2 alpha; Macrophage inflammatory protein 2; Melanoma growth stimulatory activity beta; MGSA b; MGSA beta; MGSAbeta; MIP 2; MIP 2a; MIP2 alpha; MIP2; MIP2A; MIP2alpha; SCYB 2; Scyb; SCYB2; Small inducible cytokine subfamily B, member 2.
文献引用 PubMed :	**Specific References(2)**|SL1162R has been referenced in 2 publications. **[IF=3.73]**Chen, Lianyu, et al. "Chinese Herbal Medicine Suppresses Invasion-Promoting Capacity of Cancer-Associated Fibroblasts in Pancreatic Cancer." PLOS ONE 9.4 (2014): e96177.**IHC-P;Human**. PubMed:24781445 **[IF=3.67]**Lobach, Alexandra R., and Jack Uetrecht. "Clozapine Promotes the Proliferation of Granulocyte Progenitors in the Bone Marrow Leading to Increased Granulopoiesis and Neutrophilia in Rats." Chemical Research in Toxicology (2014).**IHC-P;Rat**. PubMed:24968143
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=0.2ug/testIF=1:100-500（Paraffin sections need antigen repair）

	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	12kDa
Cellular localization:	cytoplasmicSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MIP2:51-107/107
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	GRO beta is a member of the CXC, or chemokine class. It contains the ELR domain immediately preceding the first cysteine residue near the amino terminus. Other chemokines in this group include IL8, GRO alpha/beta/gamma, mouse KC, ENA78, GCP2, PBP/CTAPIII/beta TG/NAP2. These chemokines act primarily on neutrophils as chemoattractants and activators, including neutrophil degradation with release of myloperoxidase and other enzymes. GRO beta was originally identified as a heparin-binding protein secreted from a murine macrophage cell line in response to endotoxin stimulation. GRO beta is an approximately 8 kDa polypeptide of 73 amino acids. The precursor form of GRO beta consists of 100 amino acids. To generate the mature GRO beta, the precursor cleaves its amino terminal 27 amino acids. GRO beta shows 60% amino acid homology to human GRO alpha and GRO gamma. **Function:** Produced by activated monocytes and neutrophils and expressed at sites of inflammation. Hematoregulatory chemokine, which, in vitro, suppresses hematopoietic progenitor cell proliferation. GRO-beta(5-73) shows a highly enhanced hematopoietic activity. **Subcellular Location:** Secreted. **Post-translational modifications:** The N-terminal processed form GRO-beta(5-73) is produced by proteolytic cleavage after secretion from bone marrow stromal cells. **Similarity:** Belongs to the intercrine alpha (chemokine CxC) family. **SWISS:** P19875

	Gene ID: 2920 **Database links:** Entrez Gene: 2920 Human Entrez Gene: 20310 Mouse Entrez Gene: 114105 Rat SwissProt: P19875 Human SwissProt: P10889 Mouse SwissProt: P30348 Rat Unigene: 75765 Human Unigene: 10230 Rat Omim: 139110 Human **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	

Sample:

Plasma (Rat) Lysate at 40 ug

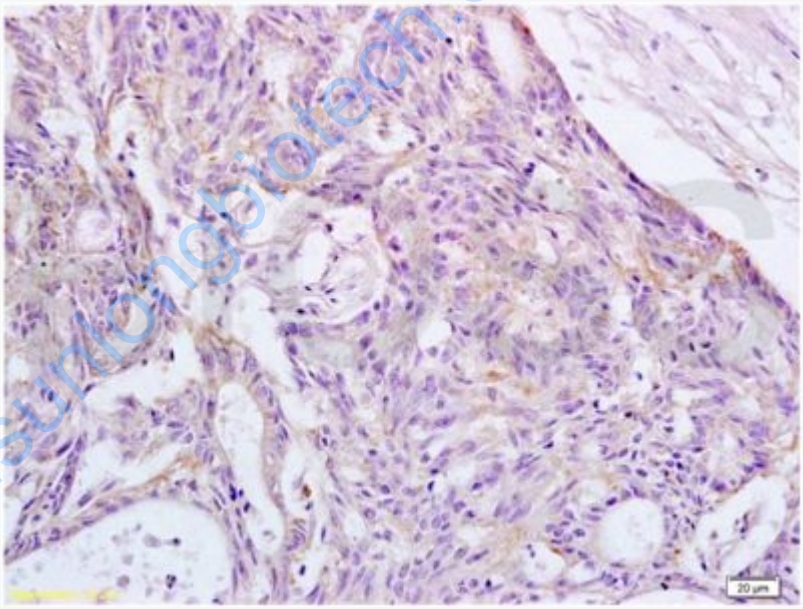
Serum (Rat) Lysate at 40 ug

Primary: Anti-CXCL2 (SL1162R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 12 kD

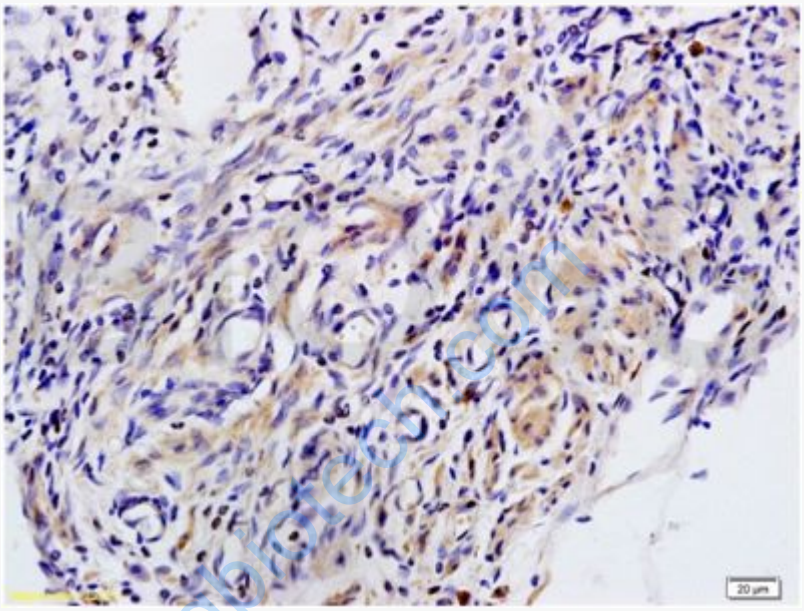
Observed band size: 12 kD

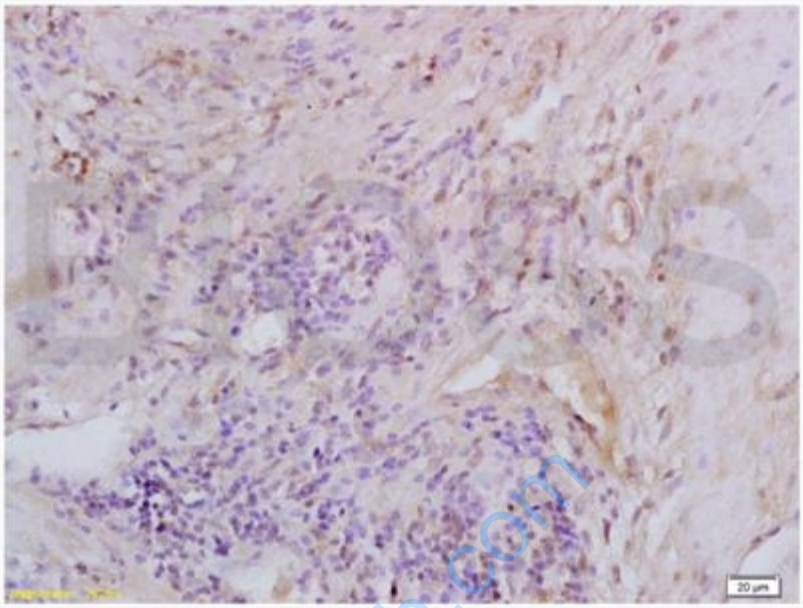


Tissue/cell: human rectal carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;

Incubation: Anti-MIP2/GRO Beta/CXCL2 Polyclonal Antibody,

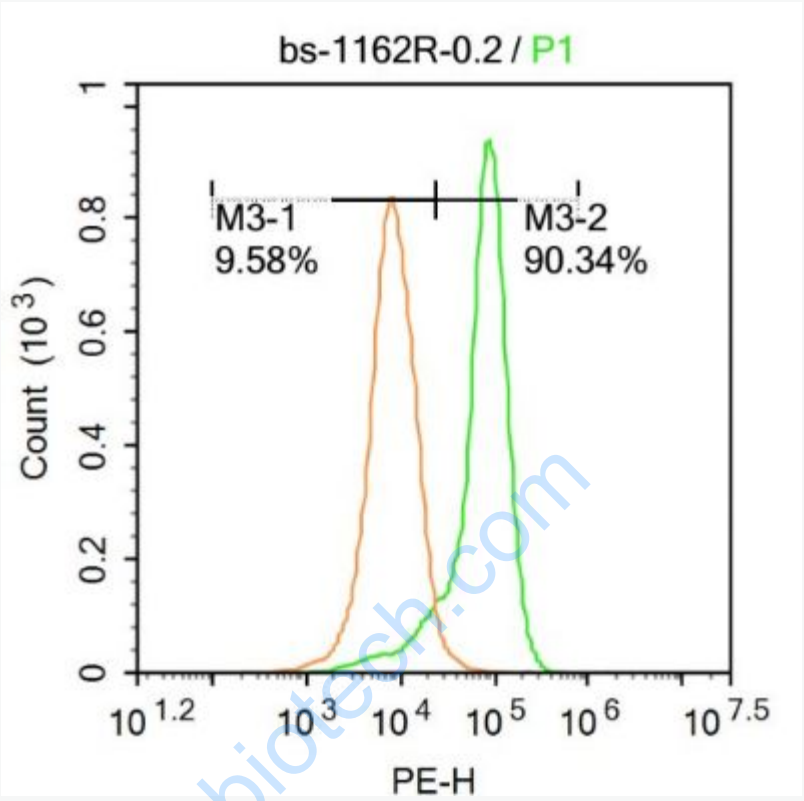
	Unconjugated(SL1162R) 1:200, overnight at 4癈, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining
	
	Tissue/cell: mouse uterus tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min; Incubation: Anti-MIP2/GRO Beta/CXCL2 Polyclonal Antibody, Unconjugated(SL1162R) 1:200, overnight at 4癈, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat colitis tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;

Incubation: Anti-MIP2/GRO Beta/CXCL2 Polyclonal Antibody, Unconjugated(SL1162R) 1:200, overnight at 4癈, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



U-937 cells were fixed with 4% PFA for 10min at room temperature,permeabilized with 20% PBST for 20 min at room temperature, and incubated in 5% BSA blocking buffer for 30 min at room temperature. Cells were then stained with bs-1162R Antibody at 1:500 dilution in blocking buffer and incubated for 30 min at room temperature, washed twice with 2%BSA in PBS, followed by secondary antibody incubation for 40 min at room temperature. Acquisitions of 20,000 events were performed. Cells stained with primary antibody (green), and isotype control (orange).