SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-CXCL10/IP10 antibody

Catalog Number: SL1502R

FOR RESEARCH USE ONLY

[DATASHEET]

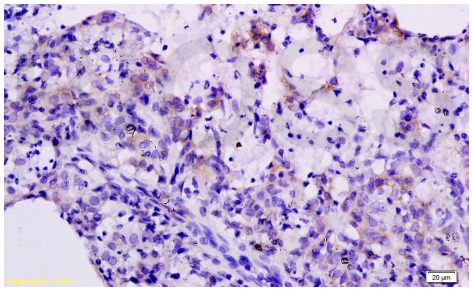
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CXCL10/IP10
Immunogen:	KLH conjugated synthetic peptide derived from mouse CXCL10: 35-98/98
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 Flow-Cyt=1ug/Test （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse,Rat
Predicted MW.:	10kDa
Subcellular Location:	Secretory protein
Background:	This antimicrobial gene encodes a chemokine of the CXC subfamily and ligand for the receptor CXCR3. Binding of this protein to CXCR3 results in pleiotropic effects, including stimulation of monocytes, natural killer and T-cell migration, and modulation of adhesion molecule expression. This gene may also be a key regulator of the 'cytokine storm' immune response to SARS-CoV-2 infection. [provided by RefSeq, Sep 2020] **Function:** Chemotactic for monocytes and T-lymphocytes. Binds to CXCR3. **Subcellular Location:** Secreted. **Post-translational modifications:** CXCL10(1-73) is produced by proteolytic cleavage after secretion from keratinocytes. **Similarity:** Belongs to the intercrine alpha (chemokine CxC) family. **Database links:**

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

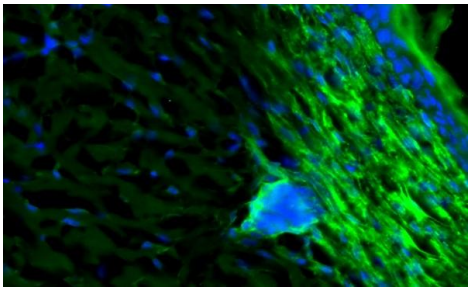
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	Entrez Gene: 3627 Human **Entrez Gene:** 15945 Mouse **Entrez Gene:** 245920 Rat Omim: 147310 Human **SwissProt:** P02778 Human **SwissProt:** P17515 Mouse **SwissProt:** P48973 Rat **Unigene:** 632586 Human **Unigene:** 877 Mouse **Unigene:** 10584 Rat CancelWB; 2017.4.20; Ji;

[VALIDATION IMAGES]



Tissue/cell: rat lung tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (1M, 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-CXCL10 Polyclonal Antibody, Unconjugated(SL1502R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



C57BL/6 mice skin were fixed in pre-chilled MeOH and incubated at -20℃ for 10 minutes. They were washed in PBS at RT 3 times for 5 minutes each. The sections were blocked for 60 minutes at RT with PBS containing 5% BSA. The block was removed, anti-CXCL10 antibody (SL1502R) diluted 1:50 was added, then incubated overnight at 4°C.Then washed with PBS (05% Tween20) for 15 minutes each followed by 2 washes of PBS for 5 minutes each. The secondary antibody, anti-rabbit A488 was diluted 1:500, added to the sections and incubated for 1 hour at RT. Then washed for 10 minutes in PBS 4 times

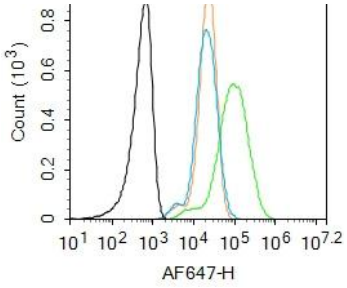
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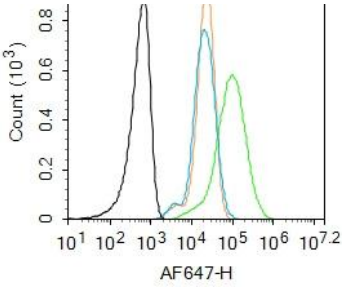
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Blank control: Raw264.7.
Primary Antibody (green line): Rabbit Anti-CXCL10/IP10 antibody (SL1502R)
Dilution: 1μg /10^6 cells;
Isotype Control Antibody (orange line): Rabbit IgG .
Secondary Antibody : Goat anti-rabbit IgG-AF647
Dilution: 1μg /test.
Protocol
The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 0.1% PBST for 20 min at room temperature.The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



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