



## Rabbit Anti-CCR-2 antibody

SL0562R

<b>Product Name:</b>	CCR-2
<b>Chinese Name:</b>	细胞表面Chemokine受体2抗体
<b>Alias:</b>	C-C Chemokine receptor 2B; C C chemokine receptor type 2; C C CKR 2; CC chemokine receptor type 2; CC CKR 2; CCCR2; CCR 2; CCR1L; CCR2A; CCR2B; CCR5L; CD192; CD192 antigen; Chemokine C C motif receptor 2; Chemokine CC Motif Receptor 2; CKR 2; CKR2; CKR2A; CKR2B; CMKBR2; MCP 1 R; MCP1 RECEPTOR; MCP1R; Monocyte chemoattractant protein 1 receptor; Monocyte Chemotactic Protein 1 Receptor; CCR2_HUMAN; C-C chemokine receptor type 2; C-C CKR-2; CC-CKR-2; CCR-2; CCR2; Monocyte chemoattractant protein 1 receptor; MCP-1-R.
<b>文献引用</b> <b>PubMed</b> :	<b>Specific References(1)</b>  SL0562R has been referenced in 1 publications. <b>[IF=9.91]</b> Li, Ting, et al. "Proliferation of parenchymal microglia is the main source of microgliosis after ischaemic stroke." Brain (2013): awt287. <b>Mouse</b> . <a href="#">PubMed:24154617</a>
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Horse,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=0.2µg/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.
<b>Molecular weight:</b>	41kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human CCR-2:201-300/373<Cytoplasmic>

<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	<p>This gene encodes two isoforms of a receptor for monocyte chemoattractant protein-1, a chemokine which specifically mediates monocyte chemotaxis. Monocyte chemoattractant protein-1 is involved in monocyte infiltration in inflammatory diseases such as rheumatoid arthritis as well as in the inflammatory response against tumors. The receptors encoded by this gene mediate agonist-dependent calcium mobilization and inhibition of adenylyl cyclase. This gene is located in the chemokine receptor gene cluster region. Two alternatively spliced transcript variants are expressed by the gene. [provided by RefSeq, Mar 2009].</p> <p><b>Function:</b> Receptor for the MCP-1, MCP-3 and MCP-4 chemokines. Transduces a signal by increasing the intracellular calcium ions level. Alternative coreceptor with CD4 for HIV-1 infection.</p> <p><b>Subunit:</b> Binds to HIV-1 Tat. Interacts with ARRB1.</p> <p><b>Subcellular Location:</b> Cell membrane; Multi-pass membrane protein.</p> <p><b>Post-translational modifications:</b> N-glycosylated.</p> <p><b>Similarity:</b> Belongs to the G-protein coupled receptor 1 family.</p> <p><b>SWISS:</b> P41597</p> <p><b>Gene ID:</b> 729230</p> <p><b>Database links:</b> <a href="#">Entrez Gene: 729230</a>Human <a href="#">Entrez Gene: 12772</a>Mouse <a href="#">Entrez Gene: 60463</a>Rat</p>

[Omim: 601267](#)Human

[SwissProt: P41597](#)Human

[SwissProt: P51683](#)Mouse

[SwissProt: O55193](#)Rat

[Unigene: 511794](#)Human

[Unigene: 705362](#)Human

[Unigene: 6272](#)Mouse

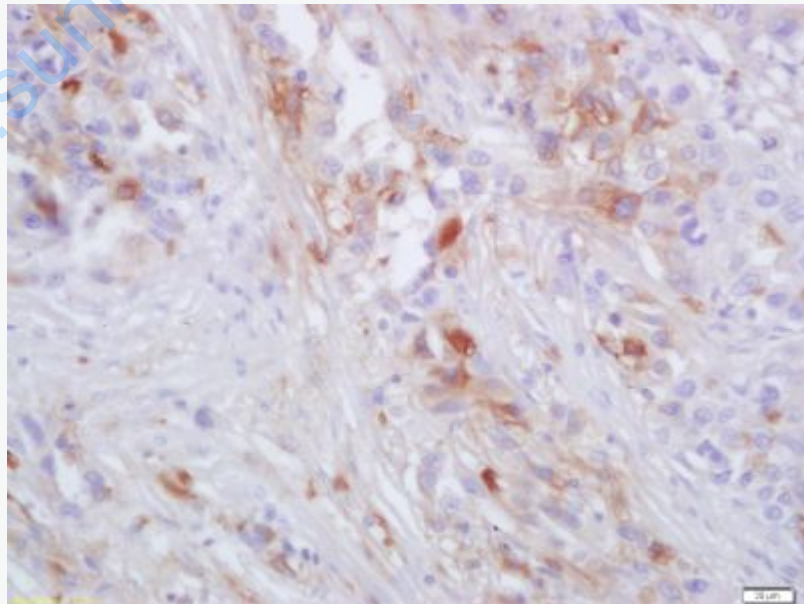
[Unigene: 211983](#)Rat

**Important Note:**

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

CCR-2是属于G protein-coupled receptor一 家族, 参与调节白细胞的迁移和活性作用, 是The cell membrane蛋白, 它的变异与HIV-1抵抗有关。CCR-2不仅在宫颈癌组织中表达, 而且在人其他Tumour如白血病、淋巴瘤、乳腺癌、肾B癌、胃癌、结肠癌、肝癌和子宫癌中均有过度表达, 可作为肝癌及乳腺癌诊断的Marker。

**Picture:**

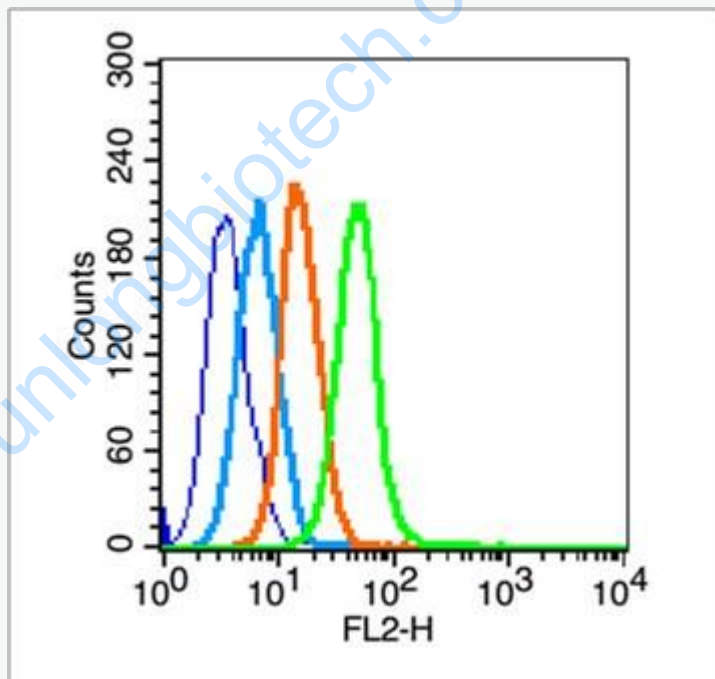


Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-

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°C for 20 min;

Incubation: Anti-CCR2 Polyclonal Antibody, Unconjugated(SL0562R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control (blue line): Hela (blue).

Primary Antibody (green line): Rabbit Anti- CCR-2 antibody (SL0562R)

Dilution: 0.2µg /10<sup>6</sup> cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE

Dilution: 1 $\mu$ g /test.

#### Protocol

The cells were fixed with 80% methanol for 5 min at -20°C (The cells were fixed with 2% paraformaldehyde for 10 min at room temperature). Cells stained with Primary Antibody for 30 min at room temperature. The cells were then incubated in 1 X PBS/2%BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.