SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CCR-2 antibody

Catalog Number: SL23026R

FOR RESEARCH USE ONLY

[DATASHEET]

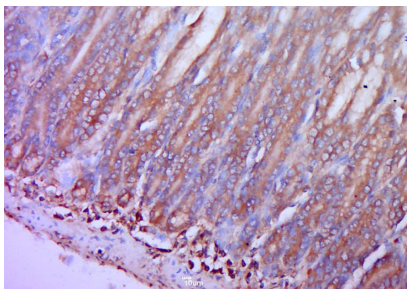
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CCR-2
Immunogen:	KLH conjugated synthetic peptide derived from mouse CCR-2: 301-373/373 <Cytoplasmic>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped 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:	Mouse,Rat(predicted:Human)
Predicted MW.:	41kDa
Subcellular Location:	The cell membrane
Background:	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]. **Function:** Receptor for the MCP-1, MCP-3 and MCP-4 chemokines. Transduces a signal by increasing the intracellular calcium ions level.

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

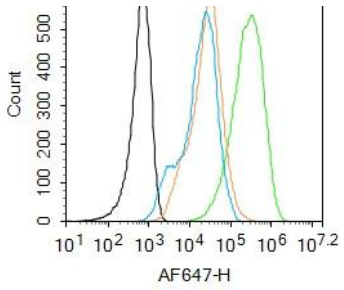
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	Alternative coreceptor with CD4 for HIV-1 infection. **Subunit:** Binds to HIV-1 Tat. Interacts with ARRB1. **Subcellular Location:** Cell membrane; Multi-pass membrane protein. **Post-translational modifications:** N-glycosylated. **Similarity:** Belongs to the G-protein coupled receptor 1 family. **Database links:** **Entrez Gene:** 729230 Human **Entrez Gene:** 12772 Mouse **Entrez Gene:** 60463 Rat Omim: 601267 Human **SwissProt:** P41597 Human **SwissProt:** P51683 Mouse **SwissProt:** O55193 Rat **Unigene:** 511794 Human **Unigene:** 705362 Human **Unigene:** 6272 Mouse **Unigene:** 211983 Rat

[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (rat stomach tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CCR-2) Polyclonal Antibody, Unconjugated (SL23026R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Blank control: Raw264.7.
Primary Antibody (green line): Rabbit Anti-CCR-2 antibody (SL23026R)
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 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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