

## ARG43803 anti-XCR1 / CCXCR1 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes XCR1 / CCXCR1
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	XCR1 / CCXCR1
Species	Human
Immunogen	Recombinant protein corresponding to a.a. F246-N274 of Human XCR1 / CCXCR1.
Conjugation	Un-conjugated
Alternate Names	XCR1; X-C Motif Chemokine Receptor 1; CCXCR1; GPR5; Chemokine (C Motif) XC Receptor 1; Chemokine (C Motif) Receptor 1; Chemokine XC Receptor 1; XC Chemokine Receptor 1; Lymphotactin Receptor; G Protein-Coupled Receptor 5; G-Protein Coupled Receptor 5

### Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 – 1:250
	WB	1:500 – 1:2000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	RT4; U-87MG; HEL; U2OS; Human spleen; Rat spleen tissue; Mouse spleen; Mouse thymus tissue; Rat thymus.	
Observed Size	~42 kDa	

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na2HPO4, 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

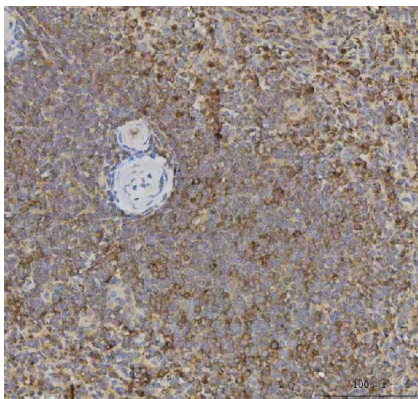
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note** For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

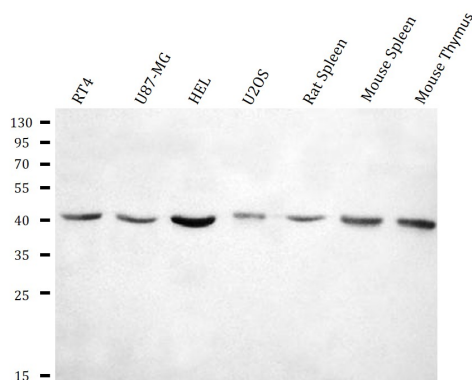
Gene Symbol	XCR1
Gene Full Name	X-C Motif Chemokine Receptor 1
Background	The protein encoded by this gene is a chemokine receptor belonging to the G protein-coupled receptor superfamily. The family members are characterized by the presence of 7 transmembrane domains and numerous conserved amino acids. This receptor is most closely related to RBS11 and the MIP1-alpha/RANTES receptor. It transduces a signal by increasing the intracellular calcium ions level. The viral macrophage inflammatory protein-II is an antagonist of this receptor and blocks signaling. Several alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Apr 2020]
Function	Receptor for chemokines SCYC1 and SCYC2. Subsequently transduces a signal by increasing the intracellular calcium ions level. Receptor for XCL1/Lymphotactin. [UniProt]
Calculated Mw	38.5 kDa
PTM	Disulfide bond. [UniProt]
Cellular Localization	Cell membrane; Membrane. [UniProt]

## Images



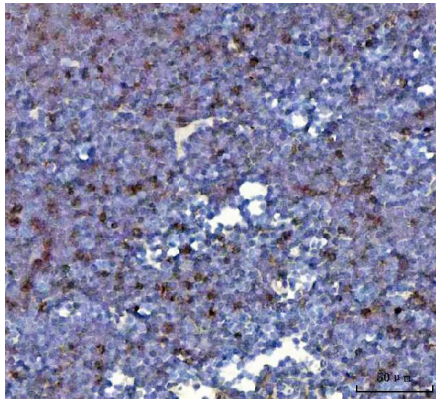
ARG43803 anti-XCR1 / CCXCR1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human spleen tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43803 anti-XCR1 / CCXCR1 antibody at 2 µg/ml dilution, overnight at 4°C.



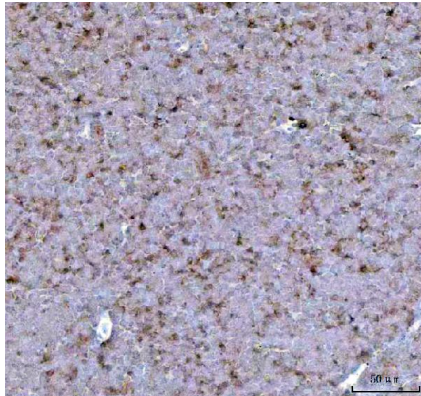
ARG43803 anti-XCR1 / CCXCR1 antibody WB image

Western blot: 30 µg of samples under reducing conditions. RT4 cells, U-87MG cells, HEL cells, U2OS cells, Rat spleen tissue, Mouse spleen tissue lysates stained with ARG43803 anti-XCR1 / CCXCR1 antibody at 0.5 µg/ml, overnight at 4°C.



ARG43803 anti-XCR1 / CCXCR1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded MMouse thymus tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43803 anti-XCR1 / CCXCR1 antibody at 2  $\mu$ g/ml dilution, overnight at 4°C.



ARG43803 anti-XCR1 / CCXCR1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat thymus tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43803 anti-XCR1 / CCXCR1 antibody at 2  $\mu$ g/ml dilution, overnight at 4°C.