

# Product datasheet

info@arigobio.com

ARG11053 anti-CXCR1 antibody

Package: 50 μg Store at: -20°C

# **Summary**

Product Description Rabbit Polyclonal antibody recognizes CXCR1

Tested Reactivity Hu

Tested Application IHC-P, WB

Host Rabbit

**Clonality** Polyclonal

Isotype IgG

Target Name CXCR1

Species Human

Immunogen Synthetic peptide around the N-terminus of Human CXCR1. (DEDYSPCMLETETLN)

Conjugation Un-conjugated

Alternate Names IL8RBA; C-C-CKR-1; IL-8R A; CKR-1; High affinity interleukin-8 receptor A; IL8RA; C-C; CD128; CD antigen

CD181; CDw128a; CXCR-1; CXC-R1; IL-8 receptor type 1; CD181; IL8R1; CMKAR1; C-X-C chemokine

receptor type 1

# **Application Instructions**

Application table	Application	Dilution	
	IHC-P	1 - 5 μg/ml	
	WB	0.5 - 1 μg/ml	
Application Note		* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 40 kDa		

### **Properties**

Concentration

Form Liquid

Purification Affinity purification with immunogen.

Buffer PBS, 0.025% Sodium azide and 2.5% BSA.

Preservative 0.025% Sodium azide

Stabilizer 2.5% BSA

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.

0.5 mg/ml

#### Bioinformation

Gene Symbol CXCR1

Gene Full Name chemokine (C-X-C motif) receptor 1

Background The protein encoded by this gene is a member of the G-protein-coupled receptor family. This protein is

a receptor for interleukin 8 (IL8). It binds to IL8 with high affinity, and transduces the signal through a G-protein activated second messenger system. Knockout studies in mice suggested that this protein inhibits embryonic oligodendrocyte precursor migration in developing spinal cord. This gene, IL8RB, a gene encoding another high affinity IL8 receptor, as well as IL8RBP, a pseudogene of IL8RB, form a gene

cluster in a region mapped to chromosome 2q33-q36. [provided by RefSeq, Jul 2008]

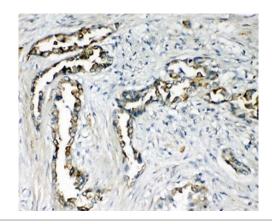
Function Receptor to interleukin-8, which is a powerful neutrophils chemotactic factor. Binding of IL-8 to the

receptor causes activation of neutrophils. This response is mediated via a G-protein that activate a phosphatidylinositol-calcium second messenger system. This receptor binds to IL-8 with a high affinity

and to MGSA (GRO) with a low affinity. [UniProt]

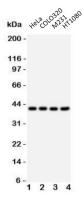
Calculated Mw 40 kDa

## **Images**



## ARG11053 anti-CXCR1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung cancer tissue stained with ARG11053 anti-CXCR1 antibody.



#### ARG11053 anti-CXCR1 antibody WB image

Western blot: 1) HeLa, 2) COLO320, 3) M231 and 4) HT1080 cell lysates stained with ARG11053 anti-CXCR1 antibody.