

ARG54363 anti-CX3CR1 (extracellular loop) antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CX3CR1 (extracellular loop)
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Specificity	This antibody recognizes human, mouse and rat CX3CR1 (50 kD).
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CX3CR1 (extracellular loop)
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 175-189 of Human CX3CR1.
Conjugation	Un-conjugated
Alternate Names	CMK-BRL1; GPR13; CX3CR1; CMK-BRL-1; C-X3-C CKR-1; CX3C chemokine receptor 1; V28; CCRL1; GPRV28; CMKBRL1; G-protein coupled receptor 13; CMKDR1; Beta chemokine receptor-like 1; Fractalkine receptor

Application Instructions

Application table	Application	Dilution
	IHC-P	10-20 µg/mL
	WB	1-2 µg/mL
Application Note	Western blot: use at 1:500 dilution. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	THP-1	

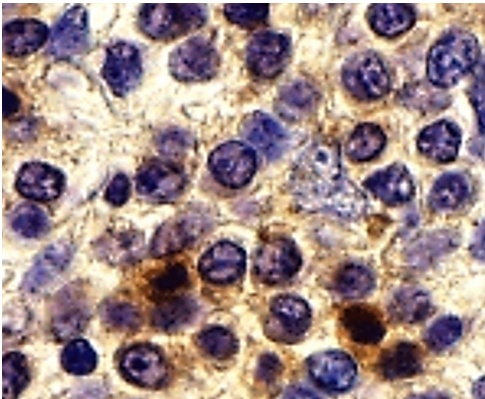
Properties

Form	Liquid
Purification	Immunoaffinity chroma-tography
Buffer	PBS (pH 7.4) and 0.02% Sodium azide
Preservative	0.02% Sodium azide
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.

Bioinformation

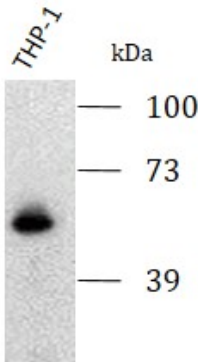
Database links	GeneID: 1524 Human Swiss-port # P49238 Human
Gene Symbol	CX3CR1
Gene Full Name	chemokine (C-X3-C motif) receptor 1
Background	CX 3 CR1 is one of the chemokine receptors that are required as co-receptors for HIV infection. The genes encoding human, murine, and rat CX 3 CR1 have been cloned and designated V28 and CMKBRL1, CX 3 CR1, and RBS11, respectively. This transmembrane protein was recently identified as the receptor for a novel transmembrane molecule, fractalkine, and was renamed CX 3 CR1. Recently, CX 3 CR1was found to serve as a coreceptor for HIV-1 and HIV-2 envelope fusion and virus infection, which can be inhibited by fractalkine. CX 3 CR1 mediates leukocyte migration and adhesion and is expressed in a variety of human tissues and cell lines.
Function	Receptor for the CX3C chemokine fractalkine and mediates both its adhesive and migratory functions. Acts as coreceptor with CD4 for HIV-1 virus envelope protein (in vitro). Isoform 2 and isoform 3 seem to be more potent HIV-1 coreceptors than isoform 1. [UniProt]
Research Area	Cancer antibody; Controls and Markers antibody; Immune System antibody; Microbiology and Infectious Disease antibody; Neuroscience antibody
Calculated Mw	40 kDa
PTM	This protein is not N-glycosylated which is unusual for G-protein-coupled receptors.

Images



ARG54363 anti-CX3CR1 (extracellular loop) antibody IHC-P image

Immunohistochemistry: Human spleen stained with ARG54363 anti-CX3CR1 (extracellular loop) antibody at 10 µg/mL dilution.



ARG54363 anti-CX3CR1 (extracellular loop) antibody WB image

Western blot: THP-1 stained with ARG54363 anti-CX3CR1 (extracellular loop) antibody at 1 µg/mL dilution.