

ARG56413 anti-CX3CR1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CX3CR1
Tested Reactivity	Hu, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CX3CR1
Species	Human
Immunogen	Synthetic peptide (20 aa) within the first 50 aa 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
	FACS	0.1 µg/ml
	ICC/IF	10 µg/ml
	IHC-P	2 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.

Positive Control Human Spleen Tissue Lysate

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS and 0.02% Sodium azide
Preservative	0.02% Sodium azide
Concentration	1 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

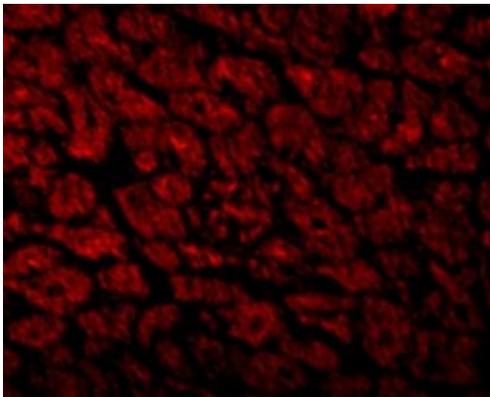
before use.

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

Bioinformation

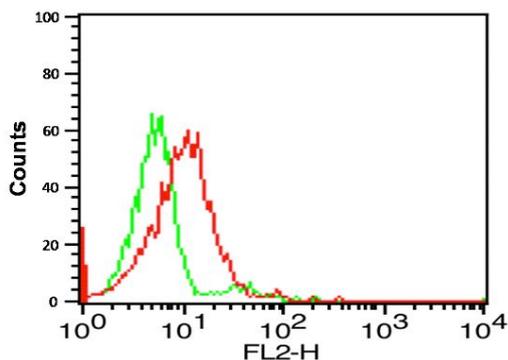
Database links	GeneID: 1524 Human GeneID: 171056 Rat Swiss-port # P35411 Rat Swiss-port # P49238 Human
Gene Symbol	CX3CR1
Gene Full Name	chemokine (C-X3-C motif) receptor 1
Background	Fractalkine is a transmembrane protein and chemokine involved in the adhesion and migration of leukocytes. The protein encoded by this gene is a receptor for fractalkine. The encoded protein also is a coreceptor for HIV-1, and some variations in this gene lead to increased susceptibility to HIV-1 infection and rapid progression to AIDS. Four transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jan 2010]
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]
Calculated Mw	40 kDa
PTM	This protein is not N-glycosylated which is unusual for G-protein-coupled receptors.

Images



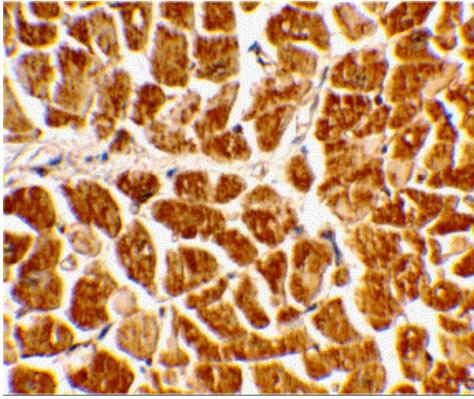
ARG56413 anti-CX3CR1 antibody ICC/IF image

Immunofluorescence: Human Heart cells stained with ARG56413 anti-CX3CR1 antibody at 10 µg/ml dilution.



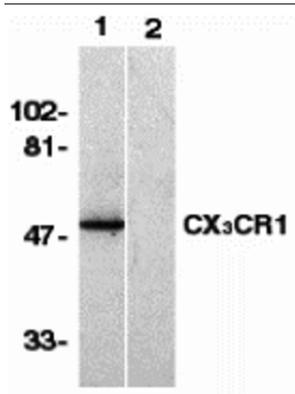
ARG56413 anti-CX3CR1 antibody FACS image

Flow Cytometry: THP-1 cells stained with ARG56413 anti-CX3CR1 antibody at 0.1 µg/ml dilution. Green: Isotype control. Red: primary antibody.



ARG56413 anti-CX3CR1 antibody IHC-P image

Immunohistochemistry: Human heart tissue stained with ARG56413 anti-CX3CR1 antibody at 2 ug/ml dilution.



ARG56413 anti-CX3CR1 antibody WB image

Western blot: Human spleen lysate stained with ARG56413 anti-CX3CR1 antibody at 1 µg/ml dilution in the absence (lane 1) or presence of blocking peptide (lane 2).