ARG45968
anti-CX3CR1 antibody [2A9-1] (Biotin)

Package: 100 µg
Store at: -20°C

Summary

Product Description	Biotin-conjugated Rat Monoclonal antibody [2A9-1] recognizes CX3CR1
Tested Reactivity	Hu, Mk
Tested Application	FACS
Host	Rat
Clonality	Monoclonal
Clone	2A9-1
Isotype	IgG2b kappa
Target Name	CX3CR1
Species	Human
Immunogen	Human CX3CR1-transfected cell line.
Conjugation	Biotin
Alternate Names	chemokine (C-X3-C motif) receptor 1; 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	2-8 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purified antibody is conjugated with biotin LC-NHS ester under optimum conditions. The conjugate was purified by size-exclusion chromatography.
Buffer	PBS and 15 mM Sodium azide.
Preservative	15 mM 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

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 factalkine. 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]
PTM	This protein is not N-glycosylated which is unusual for G-protein-coupled receptors. [UniProt]
Cellular Localization	Cell membrane; Membrane. [UniProt]