



Rabbit Anti-Human CX3CR1 monoclonal antibody, clone 2I25M8 (CABT-L1260)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	This antibody is predicted to react with Monkey, Dog, Cat
Target	CX3CR1
Immunogen	Peptides corresponding to human CX3CR1 (aa6-19, 339-351)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	2I25M8
Purification	Protein A Purified
Conjugate	Unconjugated
Applications	ICC, IF, WB
Format	Liquid
Concentration	0.5 mg/ml
Buffer	PBS, pH 7.4
Preservative	0.09% Sodium Azide
Storage	-20°C, Avoid Freeze/Thaw Cycles

BACKGROUND

Introduction

Chemokines are a family of proteins associated with the trafficking of leukocytes in immune surveillance and inflammatory cell recruitment. They are classified based on the positions of key cysteine residues. CX3CL1 is a CX3C chemokine known to induce adhesion and migration of leukocytes mediated by a membrane-bound and soluble form respectively. Recent experiments have shown that CX3CL1 can suppress the production of nitrous oxide, interleukin-6, and TNF- α in activated microglia and neuronal cells, suggesting that it may act as an intrinsic inhibitor against neurotoxicity by activated microglia. Its receptor, CX3CR1, also functions as a co-receptor for HIV-1 and HIV-2 envelope fusion and virus infection, which can be inhibited by CX3CL1.

Keywords

CX3CR1;chemokine (C-X3-C motif) receptor 1;V28;CCRL1;GPR13;CMKDR1;GPRV28;CMKBRL1;CX3C chemokine receptor 1;CMK-BRL1;CMK-BRL-1;C-X3-C CKR-1;fractalkine receptor;G protein-coupled receptor 13;G-protein coupled receptor 13;chemokine (C-X3-C) receptor 1;beta chemokine receptor-like 1;chemokine (C-C) receptor-like 1

GENE INFORMATION

Entrez Gene ID

[1524](#)

UniProt ID

[P49238](#)