

ARG43851 anti-CXCR7 / CD187 antibody [10D1-J16] (FITC)

Package: 100 tests
Store at: 4°C

Summary

Product Description	FITC-conjugated Mouse Monoclonal antibody recognizes CXCR7 / CD187
Tested Reactivity	Hu
Tested Application	FACS
Host	Mouse
Clonality	Monoclonal
Clone	10D1-J16
Isotype	IgG2b kappa
Target Name	CXCR7 / CD187
Species	Human
Conjugation	FITC
Alternate Names	ACKR3; Atypical Chemokine Receptor 3; GPR159; RDC1; Chemokine Orphan Receptor 1; CMKOR1; CXCR7; G-Protein Coupled Receptor RDC1 Homolog; Chemokine (C-X-C Motif) Receptor 7; C-X-C Chemokine Receptor Type 7 ; G-Protein Coupled Receptor 159; CXC-R7; CXCR-7; RDC-1; G Protein-Coupled Receptor

Application Instructions

Application table	<table><thead><tr><th>Application</th><th>Dilution</th></tr></thead><tbody><tr><td>FACS</td><td>4 μl / 10^6 cells</td></tr></tbody></table>	Application	Dilution	FACS	4 μ l / 10^6 cells
Application	Dilution				
FACS	4 μ l / 10^6 cells				
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.				

Properties

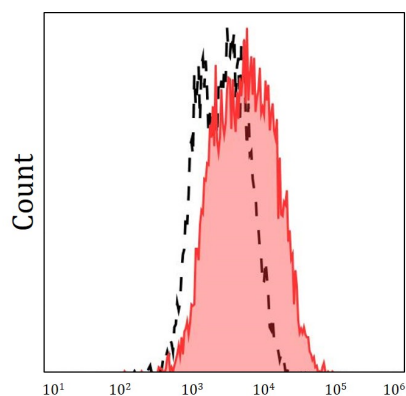
Form	Liquid
Purification	Protein-A affinity chromatography
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Storage instruction	Aliquot and store in the dark at 4°C. Keep protected from prolonged exposure to light. Do not freeze. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

Gene Symbol	ACKR3
Gene Full Name	Atypical Chemokine Receptor 3

Background	This gene encodes a member of the G-protein coupled receptor family. Although this protein was earlier thought to be a receptor for vasoactive intestinal peptide (VIP), it is now considered to be an orphan receptor, in that its endogenous ligand has not been identified. The protein is also a coreceptor for human immunodeficiency viruses (HIV). Translocations involving this gene and HMGA2 on chromosome 12 have been observed in lipomas. [provided by RefSeq, Jul 2008]
Function	Atypical chemokine receptor that controls chemokine levels and localization via high-affinity chemokine binding that is uncoupled from classic ligand-driven signal transduction cascades, resulting instead in chemokine sequestration, degradation, or transcytosis. Also known as interceptor (internalizing receptor) or chemokine-scavenging receptor or chemokine decoy receptor. Acts as a receptor for chemokines CXCL11 and CXCL12/SDF1. [Uniprot]
Calculated Mw	41 kDa
PTM	Disulfide bond, Glycoprotein, Phosphoprotein, Ubl conjugation. [Uniprot]
Cellular Localization	Cell membrane, Endosome, Membrane. [Uniprot]

Images



ARG43851 anti-CXCR7 / CD187 antibody [10D1-J16] (FITC) FACS image

Flow Cytometry: MCF-7 cells stained with ARG43851 anti-CXCR7 / CD187 antibody [10D1-J16] (FITC) at 4 μ l / 100 μ l.