

ARG42418
anti-CD193 / CCR3 antibody [5E8] (FITC)Package: 100 tests
Store at: 4°C

Summary

Product Description	FITC-conjugated Mouse Monoclonal antibody [5E8] recognizes CD193 / CCR3
Tested Reactivity	Hu
Tested Application	FACS
Specificity	The mouse monoclonal antibody 5E8 recognizes an extracellular epitope of CD193 (chemokine receptor 3), an approximately 41 kDa protein expressed above all in eosinophils and basophils.
Host	Mouse
Clonality	Monoclonal
Clone	5E8
Isotype	IgG2b, kappa
Target Name	CD193 / CCR3
Species	Human
Immunogen	Human CD193 / CCR3.
Conjugation	FITC
Alternate Names	C-C chemokine receptor type 3; CD193; CKR3; CCR-3; Eosinophil eotaxin receptor; CMKBR3; C-C CKR-3; CCR3; CC-CKR-3; CD antigen CD193

Application Instructions

Application table	Application	Dilution
	FACS	4 µl / 100 µl of whole blood or 10 ⁶ cells
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

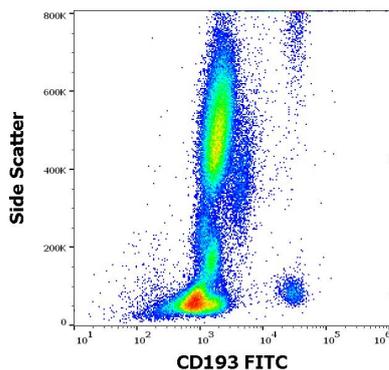
Properties

Form	Liquid
Purification	Purified
Buffer	PBS and 15 mM Sodium azide.
Preservative	15 mM Sodium azide
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. 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

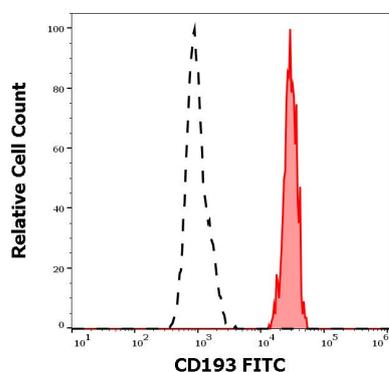
Gene Symbol	CCR3
Gene Full Name	chemokine (C-C motif) receptor 3
Background	<p>The protein encoded by this gene is a receptor for C-C type chemokines. It belongs to family 1 of the G protein-coupled receptors. This receptor binds and responds to a variety of chemokines, including eotaxin (CCL11), eotaxin-3 (CCL26), MCP-3 (CCL7), MCP-4 (CCL13), and RANTES (CCL5). It is highly expressed in eosinophils and basophils, and is also detected in TH1 and TH2 cells, as well as in airway epithelial cells. This receptor may contribute to the accumulation and activation of eosinophils and other inflammatory cells in the allergic airway. It is also known to be an entry co-receptor for HIV-1. This gene and seven other chemokine receptor genes form a chemokine receptor gene cluster on the chromosomal region 3p21. Alternatively spliced transcript variants have been described. [provided by RefSeq, Sep 2009]</p>
Function	<p>Receptor for C-C type chemokine. Binds and responds to a variety of chemokines, including CCL11, CCL26, CCL7, CCL13, RANTES(CCL5) and CCL15 (PubMed:7622448, PubMed:8642344, PubMed:8676064). Subsequently transduces a signal by increasing the intracellular calcium ions level (PubMed:8676064). In addition acts as a possible functional receptor for NARS1 (PubMed:30171954).</p> <p>(Microbial infection) Alternative coreceptor with CD4 for HIV-1 infection. [UniProt]</p>
Calculated Mw	41 kDa
Cellular Localization	Cell membrane; Multi-pass membrane protein. [UniProt]

Images



ARG42418 anti-CD193 / CCR3 antibody [5E8] (FITC) FACS image

Flow Cytometry: Human peripheral whole blood stained with ARG42418 anti-CD193 / CCR3 antibody [5E8] (FITC) at 4 μ l / 100 μ l of peripheral whole blood.



ARG42418 anti-CD193 / CCR3 antibody [5E8] (FITC) FACS image

Flow Cytometry: Separation of Human basophil granulocytes (red-filled) from lymphocytes (black-dashed). Human peripheral whole blood stained with ARG42418 anti-CD193 / CCR3 antibody [5E8] (FITC) at 4 μ l / 100 μ l of peripheral whole blood.