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anti-CXCR4 antibody

Images



Overview

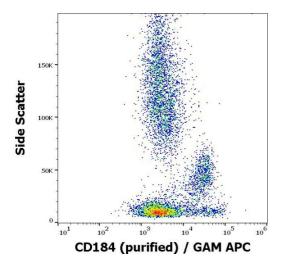
Quantity:	0.1 mg
Target:	CXCR4
Reactivity:	Human, Non-Human Primate
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CXCR4 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

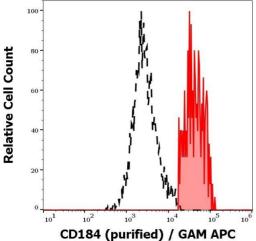
Product Details

Immunogen:	CP-MAC-infected Sup-T1 cells
Clone:	12G5
Isotype:	IgG2a kappa
Specificity:	The mouse monoclonal antibody 12G5 recognizes an extracellular epitope of CD184, a 45 kDa G-protein-linked CXC chemokine receptor widely expressed on blood and tissue cells.
Cross-Reactivity (Details):	Human, Non-Human Primates
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

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Target:	CXCR4
Alternative Name:	CD184 / CXCR4 (CXCR4 Products)
Background:	C-X-C motif chemokine receptor 4,CD184, also known as CXCR4 or fusin, is a receptor for the C-X-C chemokine SDF-1. It is expressed mainly in hematopoietic cells, vascular endothelium, and neural tissue. CD184 is a G-protein coupled receptor containing extracellular N-terminal,
	seven transmembrane domains and intracellular C-terminal domain. It transduces signal by
	increasing the intracellular calcium level. CD184 plays an essential role in vascularization of the gastrointestinal tract, and is involved in cerebellar development and in hematopoiesis. It is also
	a coreceptor (with CD4) for HIV-1 X4 virus and a primary receptor for some HIV-2
	isolates.,CXCR4, LAP3, LCR1, HM89, fusin, SDF1R
Gene ID:	7852
UniProt:	P61073
Pathways:	Regulation of Cell Size, CXCR4-mediated Signaling Events
Application Details	
Application Notes:	Flow cytometry: Recommended dilution: 2-4 µg/mL.
Restrictions:	For Research Use only
Handling	
Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.





Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD184 (12G5) purified antibody (concentration in sample 0,33 μ g/mL) GAM APC.

Flow Cytometry

Image 2. Separation of human CD184 positive lymphocytes (red-filled) from CD184 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD184 (12G5) purified antibody (concentration in sample 0,33 μ g/mL) GAM APC.