# antibodies -online.com







**Images** 



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#### Overview

Overview	
Quantity:	100 tests
Target:	CXCR4
Reactivity:	Human, Non-Human Primate
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CXCR4 antibody is conjugated to PE
Application:	Flow Cytometry (FACS)
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.

# Target Details

Purification:

Cross-Reactivity (Details):

Target: CXCR4

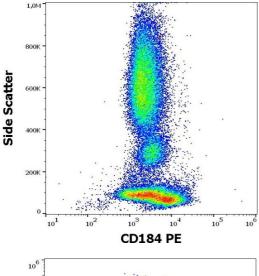
Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions.

Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Human, Non-Human Primates

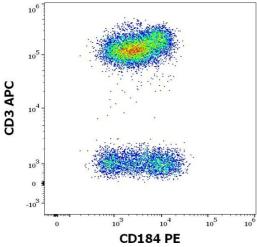
# **Target Details**

	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: The reagent is designed for analysis of human blood cells using 10 $\mu$ L reagent / 100 $\mu$ L of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (1 ml) is sufficient fo 100 tests.
Comment:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Restrictions:	For Research Use only
Handling	
Buffer:	Stabilizing 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. Protect from prolonged exposure to light. Do not freeze.



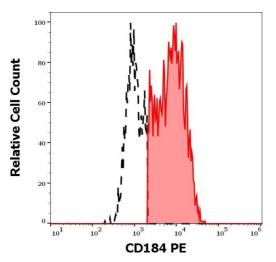
# Flow Cytometry

**Image 1.** Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD184 (12G5) PE antibody (10  $\mu$ L reagent / 100  $\mu$ L of peripheral whole blood).



## **Flow Cytometry**

**Image 2.** Flow cytometry multicolor surface staining of human peripheral whole blood stained using anti-human CD184 (12G5) PE antibody (10  $\mu$ L reagent / 100  $\mu$ L of peripheral whole blood) and anti-human CD3 (UCHT1) APC antibody (10  $\mu$ L reagent / 100  $\mu$ L of peripheral whole blood).



### **Flow Cytometry**

**Image 3.** Separation of human CD184 positive CD3 negative lymphocytes (red-filled) from CD184 negative CD3 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD184 (12G5) PE antibody (10  $\mu$ L reagent / 100  $\mu$ L of peripheral whole blood).