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InnoCyto Inc.

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Anti-Human CD184 (CXCR4) Antibody

Catalog Number:	111401, 111402
Size:	100 ug, 500 ug
Target Name:	CD184, CXCR4
Regulatory Status:	RUO

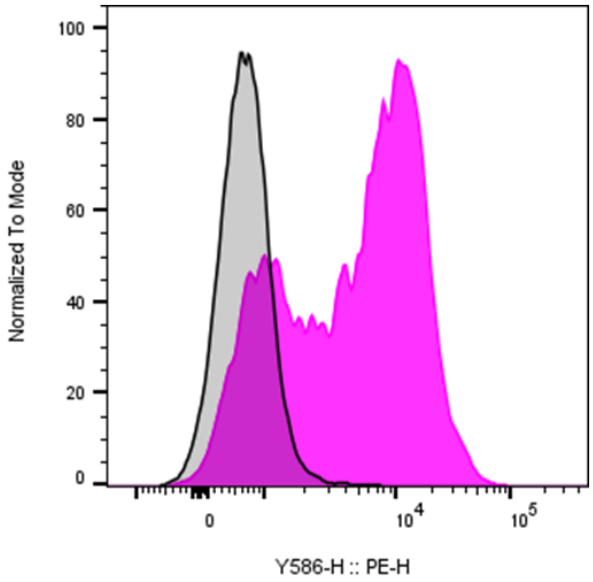
PRODUCT DETAILS

Clone:	184AR1
Application:	Flow Cytometry
Reactivity:	Human
Format:	Purified
Isotype:	Rat IgG1
Antibody Type:	Monoclonal
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
Protein Concentration:	0.5 mg/mL
Storage&Handling:	The antibody solution should be stored between 2°C and 8°C
Recommended Usage:	For flow cytometric staining, it is recommended to use less than 0.25 ug of this reagent per 0.5-1.0 million cells in a 100 µL volume. Optimal reagent performance should be determined by titration for each specific application
Isotype Control:	303401
RRID:	AB_3738968
GeneID:	7852

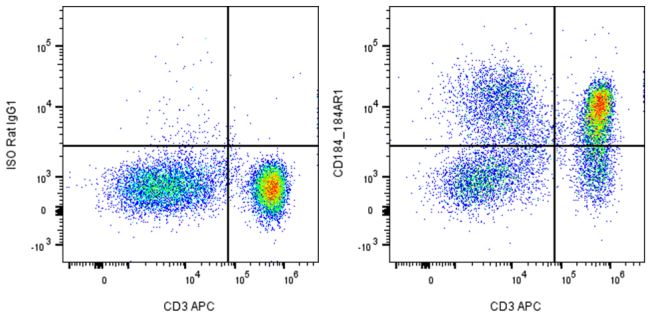
BACKGROUND INFORMATION

CD184 (CXCR4, Fusin) is a 45-kDa, seven-transmembrane G-protein–coupled CXC chemokine receptor widely expressed on blood and tissue cells, including B and T cells, monocytes, macrophages, dendritic cells, granulocytes, megakaryocytes/platelets, endothelial and epithelial cells, astrocytes, and neurons. It serves as the receptor for the chemokine SDF-1/CXCL12, regulating cell migration, B lymphopoiesis, myelopoiesis, cardiogenesis, vascular development, and cerebellar formation. CD184 also functions as a co-receptor for X4 HIV-1 entry and as an alternative receptor for certain HIV-2 isolates.

PRODUCT DATA



Human peripheral blood lymphocytes were stained with purified Anti-Human CD184 clone 184AR1 (color-filled histogram) or an isotype control (gray histogram), followed by PE anti-Rat IgG.



Human peripheral blood lymphocytes was co-stained with APC anti-human CD3 and either purified Anti-Human CD184 clone 184AR1 (right panel) or an isotype control (left panel), , followed by PE anti-Rat IgG.

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