www.innocyto.com

InnoCyto Inc.

15375 Barranca Pkwy, Suite I-103
Irvine, CA 92618
Email: info@innocyto.com
Phone: 1-949-418-7543

# Anti-Human CD184 (CXCR4) Antibody

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

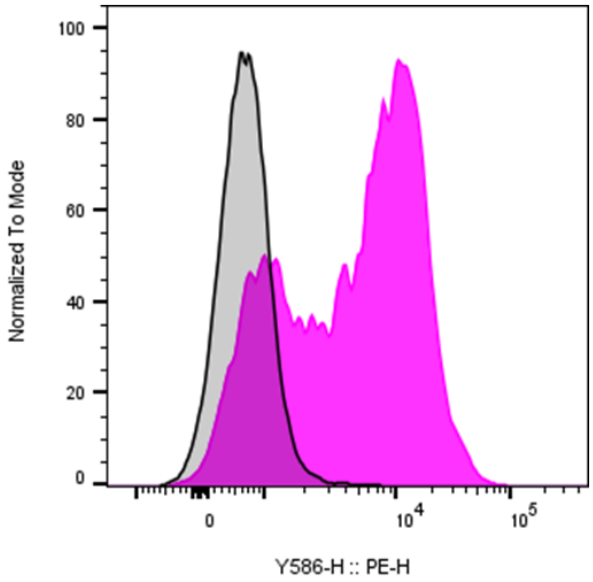
## PRODUCT DETAILS

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|---|---|
| **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 |

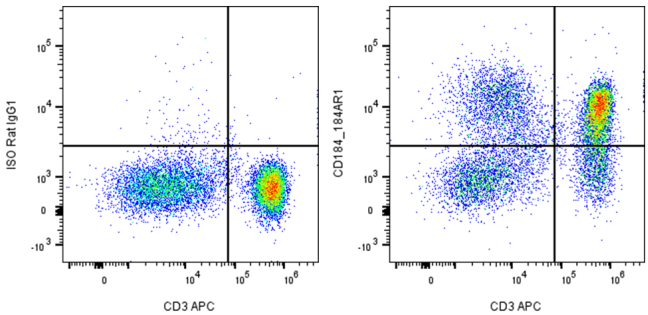
## BACKGROUND INFORMATION

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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