

Anti-CCR5 antibody [T21/8] ab110103

[3 References](#) [1 图像](#)

概述

产品名称	Anti-CCR5抗体[T21/8]
描述	小鼠单克隆抗体[T21/8] to CCR5
宿主	Mouse
经测试应用	适用于: ELISA, Flow Cyt 不适用于: IHC-P, IP or WB
种属反应性	与反应: Human
免疫原	The details of the immunogen for this antibody are not available.
表位	The antibody reacts with the amino terminus of the protein. The exact amino acids that comprise the epitope recognized by the antibody have not been determined.
阳性对照	Human tonsil tissue. Normal Human peripheral blood cells.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.20 Preservative: 0.09% Sodium azide Constituent: PBS
纯度	Protein G purified
克隆	单克隆
克隆编号	T21/8
同种型	IgG1

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用 ab110103 于以下的经测试应用

“应用说明”部分下显示的仅为推荐的起始稀释度；实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ELISA		Use at an assay dependent concentration.
Flow Cyt		Use 0.5µg for 10 ⁵⁻⁸ cells. in a final volume of 100 ul.
		ab170100 Mouse monoclonal IgG1 is suitable for use as an

应用说明

Is unsuitable for IHC-P, IP or WB.

靶标

功能

Receptor for a number of inflammatory CC-chemokines including MIP-1-alpha, MIP-1-beta and RANTES and subsequently transduces a signal by increasing the intracellular calcium ion level. May play a role in the control of granulocytic lineage proliferation or differentiation. Acts as a coreceptor (CD4 being the primary receptor) for HIV-1 R5 isolates.

组织特异性

Highly expressed in spleen, thymus, in the myeloid cell line THP-1, in the promyeloblastic cell line KG-1A and on CD4+ and CD8+ T-cells. Medium levels in peripheral blood leukocytes and in small intestine. Low levels in ovary and lung.

疾病相关

Genetic variation in CCR5 is associated with susceptibility to diabetes mellitus insulin-dependent type 2 (IDDM2) [MIM:612522]. A multifactorial disorder of glucose homeostasis that is characterized by susceptibility to ketoacidosis in the absence of insulin therapy. Clinical features are polydipsia, polyphagia and polyuria which result from hyperglycemia-induced osmotic diuresis and secondary thirst. These derangements result in long-term complications that affect the eyes, kidneys, nerves, and blood vessels.

序列相似性

Belongs to the G-protein coupled receptor 1 family.

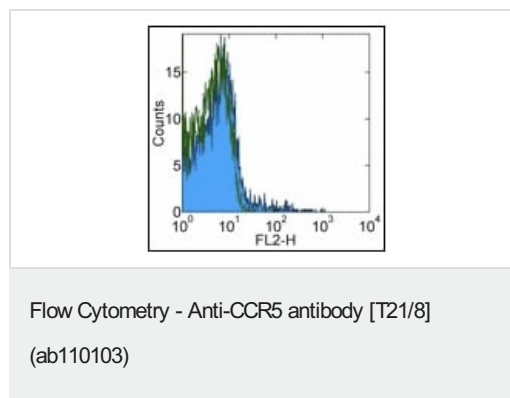
翻译后修饰

Sulfated on at least 2 of the N-terminal tyrosines. Sulfation contributes to the efficiency of HIV-1 entry and is required for efficient binding of the chemokines, CCL3 and CCL4.
O-glycosylated, but not N-glycosylated. Ser-6 appears to be the major site. Also sialylated glycans present which contribute to chemokine binding. Thr-16 and Ser-17 may also be glycosylated and, if so, with small moieties such as a T-antigen.
Palmitoylation in the C-terminal is important for cell surface expression, and to a lesser extent, for HIV entry.
Phosphorylation on serine residues in the C-terminal is stimulated by binding CC chemokines especially by APO-RANTES.

细胞定位

Cell membrane.

图片



Staining of normal Human peripheral blood cells with 0.25 μ g of purified mouse IgG1, K isotype control (open histogram) or 0.25 μ g of ab110103 (colored histogram), followed by biotin Anti-mMouse IgG and SAV-PE.

Cells in the lymphocyte gate were used for analysis.

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