

Product datasheet

Anti-CCR5 antibody [NP-6G4] ab115738

1 图像

概述

产品名称	Anti-CCR5抗体[NP-6G4]
描述	小鼠单克隆抗体[NP-6G4] to CCR5
经测试应用	适用于: ELISA, Flow Cyt, Competitive ELISA
种属反应性	与反应: Human
免疫原	cDNA encoding Human CCR5.
阳性对照	BOSC23 cells transiently transfected with CCR5.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
存储溶液	pH: 7.20 Constituent: 100% PBS
纯度	Protein G purified
纯化说明	ab115738 was purified by protein G affinity chromatography from cell culture supernatants.
克隆	单克隆
克隆编号	NP-6G4
同种型	IgG1

应用

Our [Abpromise guarantee](#) covers the use of **ab115738** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

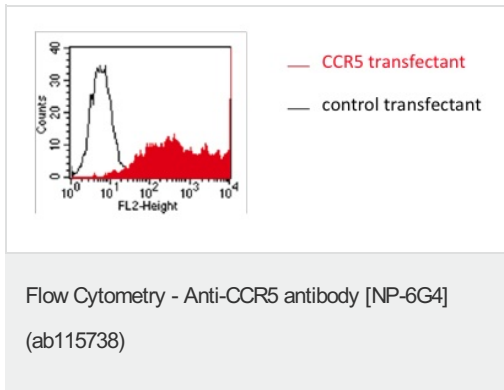
应用	Ab评论	说明
ELISA		1/200 - 1/400.

应用	Ab评论	说明
Flow Cyt		Use 1.2µg for 10 ⁶ cells. ab170190 -Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
Competitive ELISA		1/200 - 1/400.

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



ab115738 at 1.2 μ g/10⁶ staining CCR5 in BOSC23 cells transiently transfected with an expression vector encoding either CCR5 (Red) or an irrelevant protein (Black) followed with a PE conjugated secondary antibody.

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