abcam

Product datasheet

Anti-CCR4 antibody [EPR23502-85] ab254376

Recombinant RabMAb

4 Images

Overview

Product name	Anti-CCR4 antibody [EPR23502-85]
Description	Rabbit monoclonal [EPR23502-85] to CCR4
Host species	Rabbit
Tested applications	**Suitable for:** Flow Cyt **Unsuitable for:** ICC/IF,IHC-P,IP or WB
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Flow Cyt: HDLM-2, and PBMC cells; HEK-293T cells transfected with GFP tagged CCR4 overexpression vector.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 59.94% PBS, 40% Glycerol, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR23502-85
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab254376 in the following tested applications.

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

Application	Abreviews	Notes
Flow Cyt		1/500.

Application notes Is unsuitable for ICC/IF,IHC-P,IP or WB.

Target

Function High affinity receptor for the C-C type chemokines CCL17/TARC and CCL22/MDC. The activity of this receptor is mediated by G(i) proteins which activate a phosphatidylinositol-calcium second messenger system. Can function as a chemoattractant homing receptor on circulating memory lymphocytes and as a coreceptor for some primary HIV-2 isolates. In the CNS, could mediate hippocampal-neuron survival.

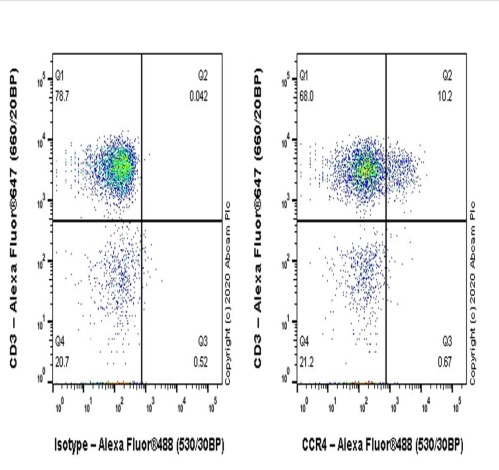
Tissue specificity Predominantly expressed in the thymus, in peripheral blood leukocytes, including T-cells, mostly CD4+ cells, and basophils, and in platelets; at lower levels, in the spleen and in monocytes. Detected also in macrophages, IL-2-activated natural killer cells and skin-homing memory T-cells, mostly the ones expressing the cutaneous lymphocyte antigen (CLA). Expressed in brain microvascular and coronary artery endothelial cells.

Sequence similarities Belongs to the G-protein coupled receptor 1 family.

Post-translational modifications In natural killer cells, CCL22 binding induces phosphorylation on yet undefined Ser/Thr residues, most probably by beta-adrenergic receptor kinases 1 and 2.

Cellular localization Cell membrane.

Images

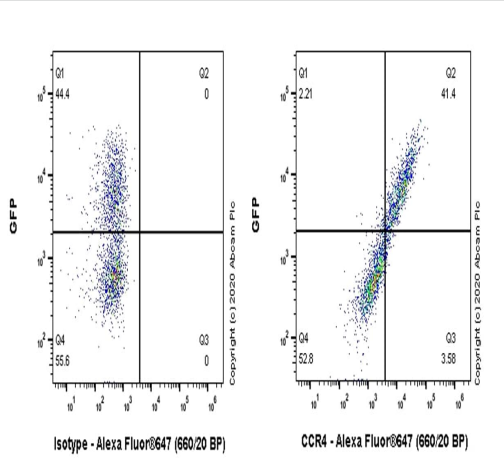


Flow Cytometry - Anti-CCR4 antibody [EPR23502-85] (ab254376)

Flow cytometric analysis of human peripheral blood mononuclear cell (PBMC) cells labeling CCR4 with ab254376 at 1/500 dilution (Right) compared with a Rabbit monoclonal IgG (**ab172730**) isotype control (Left).

Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) at 1/2000 dilution was used as the secondary antibody.

Gated on viable lymphocytes.

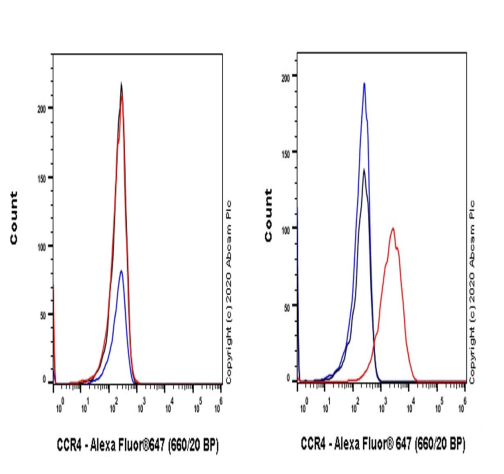


Flow Cytometry - Anti-CCR4 antibody [EPR23502-85] (ab254376)

Flow cytometric analysis of HEK-293T (human embryonic kidney epithelial cell) (transfected with GFP tagged CCR4 overexpression vector) cells labeling CCR4 with ab254376 at 1/500 dilution (Right) compared with a Rabbit monoclonal IgG (**ab172730**) isotype control (Left).

Goat anti rabbit IgG (Alexa Fluor® 647, **ab150079**) at 1/2000 dilution was used as the secondary antibody.

Gated on viable cells.



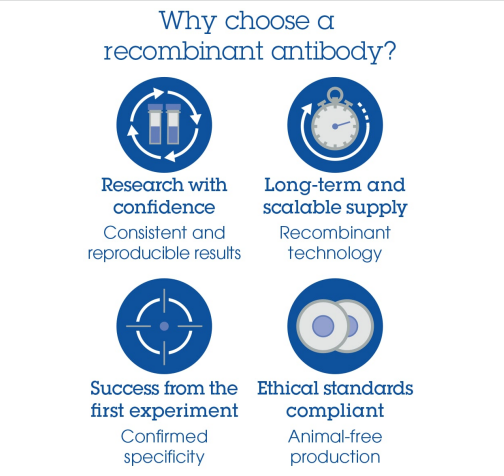
Flow Cytometry - Anti-CCR4 antibody [EPR23502-85] (ab254376)

Flow cytometric analysis of HEK-293 (human embryonic kidney epithelial cell, Left) / HDLM-2 (human Hodgkin lymphoma, Right) cells labeling CCR4 with ab254376 at 1/500 dilution (Red) compared with a Rabbit monoclonal IgG (**ab172730**) isotype control (Black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue).

Goat anti rabbit IgG (Alexa Fluor® 647, **ab150079**) at 1/2000 dilution was used as the secondary antibody.

Negative control: HEK-293 (PMID: 22973452).

Gated on viable cells.



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