

Product datasheet

Anti-CCR4 antibody ab1664

13 References

Overview

Product name	Anti-CCR4 antibody
Description	Goat polyclonal to CCR4
Specificity	Peptide sequence is < 50 % identical to other human chemokine receptors in this region. The antibody recognizes mouse CCR4 and has no cross-reactivity to human CCR4.
Tested applications	Suitable for: IHC-Fr, ELISA, ICC, WB, IHC-P, Flow Cyt
Species reactivity	Reacts with: Mouse Does not react with: Human
Immunogen	Synthetic peptide: DTTQDETVYNSYYFYESMPC , corresponding to amino acids 8-26 of Mouse CCR4. Run BLAST with Run BLAST with
Positive control	Mouse spleen cells

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	PBS, 1mg/ml BSA, 0.1% sodium azide, pH7.2
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab1664** 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
IHC-Fr		Use at an assay dependent concentration.
ELISA		1/500000.
ICC		1/500.
WB		1/1000.
IHC-P		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration.

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.

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