

## Product datasheet

# Anti-CCR4 antibody ab1664

### 14 References

#### Overview

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<b>Product name</b>	Anti-CCR4 antibody
<b>Description</b>	Goat polyclonal to CCR4
<b>Host species</b>	Goat
<b>Specificity</b>	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.
<b>Tested applications</b>	<b>Suitable for:</b> IHC-Fr, ELISA, ICC, WB, IHC-P, Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse <b>Does not react with:</b> Human
<b>Immunogen</b>	Synthetic peptide: DTTQDETVYNSYYFYESMPC , corresponding to amino acids 8-26 of Mouse CCR4. <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>Positive control</b>	Mouse spleen cells

#### Properties

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

#### Applications

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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. <a href="#">ab37373</a> - Goat polyclonal IgG, is suitable for use as an isotype control with this antibody.

## Target

<b>Function</b>	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.
<b>Tissue specificity</b>	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.
<b>Sequence similarities</b>	Belongs to the G-protein coupled receptor 1 family.
<b>Post-translational modifications</b>	In natural killer cells, CCL22 binding induces phosphorylation on yet undefined Ser/Thr residues, most probably by beta-adrenergic receptor kinases 1 and 2.
<b>Cellular localization</b>	Cell membrane.

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