

# Receptor CCR6 binds CCL20 ligand

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## Introduction

Reactome is open-source, open access, manually curated and peer-reviewed pathway database. Pathway annotations are authored by expert biologists, in collaboration with Reactome editorial staff and cross-referenced to many bioinformatics databases. A system of evidence tracking ensures that all assertions are backed up by the primary literature. Reactome is used by clinicians, geneticists, genomics researchers, and molecular biologists to interpret the results of high-throughput experimental studies, by bioinformaticians seeking to develop novel algorithms for mining knowledge from genomic studies, and by systems biologists building predictive models of normal and disease variant pathways.

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## Literature references

Fabregat, A., Sidiropoulos, K., Viteri, G., Forner, O., Marin-Garcia, P., Arnau, V. et al. (2017). Reactome pathway analysis: a high-performance in-memory approach. *BMC bioinformatics*, 18, 142. [↗](#)

Sidiropoulos, K., Viteri, G., Sevilla, C., Jupe, S., Webber, M., Orlic-Milacic, M. et al. (2017). Reactome enhanced pathway visualization. *Bioinformatics*, 33, 3461-3467. [↗](#)

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Reactome database release: 88

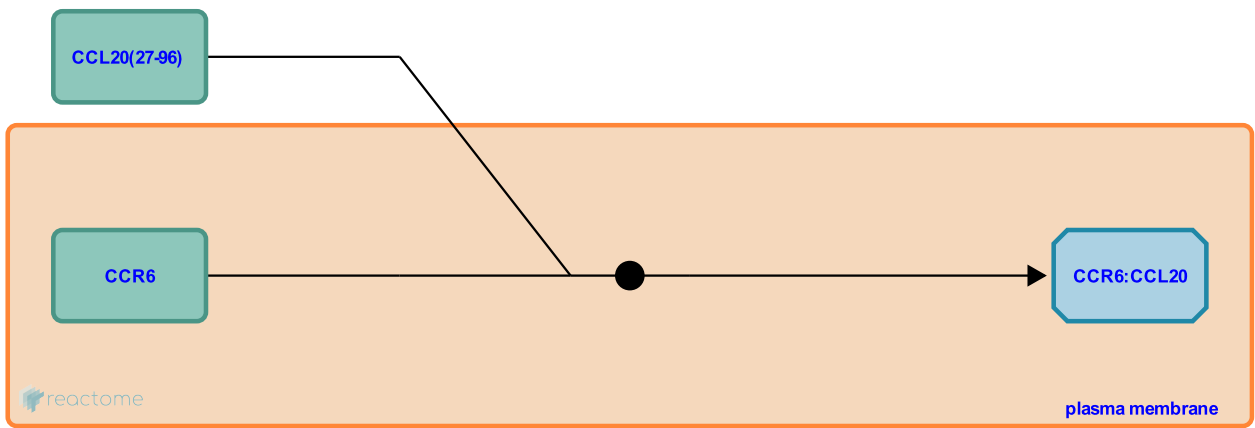
This document contains 1 reaction ([see Table of Contents](#))

# Receptor CCR6 binds CCL20 ligand ↗

**Stable identifier:** R-HSA-373087

**Type:** binding

**Compartments:** extracellular region, plasma membrane



CCR6 (Baba M et al, 1997) is expressed on inactive memory T-cells and on Th17 cells. CCR6 is down-regulated in activated T-cells. CCL20 (macrophage inflammatory protein 3-alpha, MIP 3-alpha) binds and activates CCR6 and it does not share the binding site of CCR6 with any other chemokine.

## Literature references

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## Editions

2008-08-21	Authored	Jassal, B.
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