

Receptor CCR6 binds CCL20 ligand

Bockaert, J., D'Eustachio, P., Jassal, B.

European Bioinformatics Institute, New York University Langone Medical Center, Ontario Institute for Cancer Research, Oregon Health and Science University.

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06/05/2024

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.

The development of Reactome is supported by grants from the US National Institutes of Health (P41 HG003751), University of Toronto (CFREF Medicine by Design), European Union (EU STRP, EMI-CD), and the European Molecular Biology Laboratory (EBI Industry program).

Literature references

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Reactome database release: 88

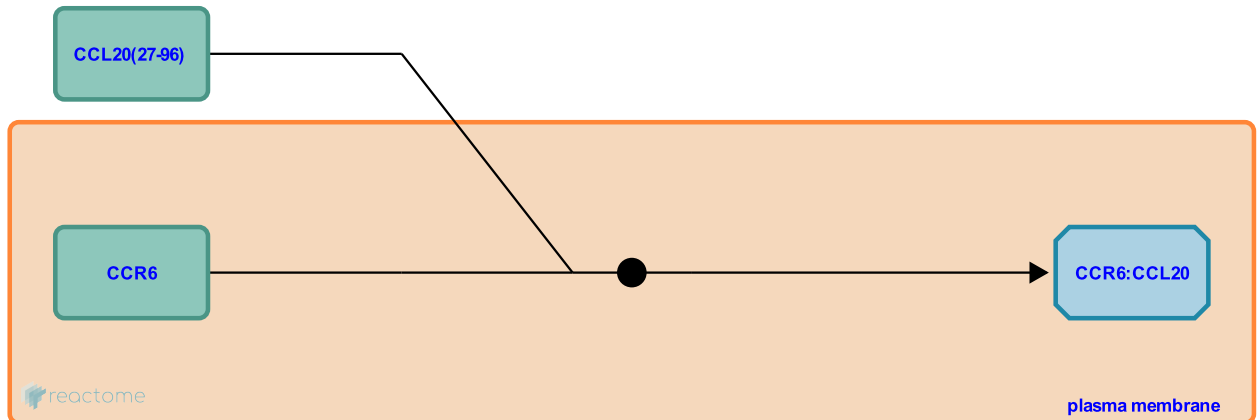
This document contains 1 reaction ([see Table of Contents](#))

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.
2008-09-01	Reviewed	Bockaert, J.
2008-09-01	Edited	D'Eustachio, P.