

# Interaction of integrin alphaVbeta3 with PECAM1

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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

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Reactome database release: 88

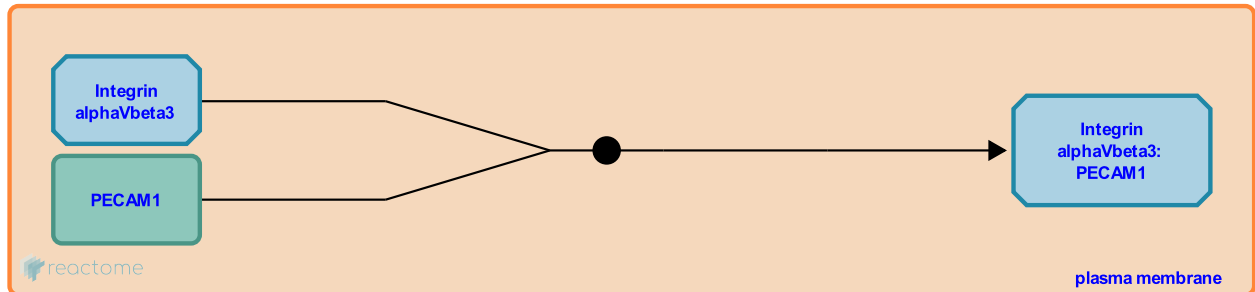
This document contains 1 reaction ([see Table of Contents](#))

## Interaction of integrin alphaVbeta3 with PECAM1 [↗](#)

**Stable identifier:** R-HSA-210304

**Type:** binding

**Compartments:** plasma membrane



Alpha v beta 3 integrin is one of the potential heterophilic ligands of PECAM-1 that is involved in down-regulation of T-cell responses. The heterophilic interaction of alpha v beta 3 integrin on endothelial cells with PEACAM-1 on leukocytes increases the adhesive function of beta integrins on T cells, monocytes, neutrophils and NK cells suggesting that leukocyte PEACAM-1 act as a signaling molecule.

### Literature references

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### Editions

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|------------|----------|-----------------------------|
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