

CX3CR1 Antibody-coupled magnetic MicroBeads

Cat. No. CX3CR1-9543M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Capacity for 1×10^9 total cells

Background

CX3CR1 is a transmembrane chemokine receptor with a molecular mass of 40 kDa. It binds the chemokine CX3CL1, also known as fractalkine or neurotactin. Binding of CX3CR1 to the membrane-bound form of fractalkine promotes cell-cell adhesion, whereas the soluble form induces cell migration of CX3CR1-expressing cells such as monocytes, NK cells, T cells, dendritic cells (DCs), and macrophages including microglia. CX3CR1 also plays an important role in the formation of transepithelial dendrites by intestinal DCs. Failure in the fractalkine/CX3CR1 interaction may contribute to the development of several inflammatory diseases including atherosclerosis, psoriasis, rheumatoid arthritis, and experimental autoimmune myositis.

Application

Positive selection of CX3CR1-positive cells, e.g., after depleting cells of undesired lineage.

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