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Datasheet for ABIN6253334
CCL20 Protein (AA 28-97) (Fc Tag)

Overview

Quantity:	50 µg
Target:	CCL20
Protein Characteristics:	AA 28-97
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CCL20 protein is labelled with Fc Tag.

Product Details

Purpose:	CCL20 (mouse):Fc (mouse) (rec.)
Specificity:	The extracellular domain of mouse CCL20 (aa 28-97) is fused to the N-terminus of the Fc region of mouse IgG2a.
Characteristics:	<p>Protein. The extracellular domain of mouse CCL20 (aa 28-97) is fused to the N-terminus of the Fc region of mouse IgG2a. Source: HEK 293 cells. Endotoxin content: <5EU/mg protein (LAL test, Lonza). Lyophilized from 0.2µm-filtered solution in PBS. Purity: >95 % (SDS-PAGE).</p> <p>Macrophage Inflammatory Protein-3 (MIP3A) or Chemokine (C-C motif) ligand 20 (CCL20) or liver activation regulated chemokine (LARC) or is a small cytokine belonging to the CC chemokine family that attracts immature dendritic cells and memory T lymphocytes, both expressing CCR6. Depending on the cell type, this chemokine was found to be inducible by cytokines (IL-1beta) and by bacterial, viral, or plant products. MIP3A / CCL20 is Expressed predominantly in the liver, lymph nodes, appendix, peripheral blood lymphocytes, and fetal lung. Low levels of MIP3A / CCL20 has been seen in thymus, prostate, testis, small intestine and</p>

Product Details

colon. As a chemotactic factor, MIP3A / CCL20 attracts lymphocytes and, slightly, neutrophils, but not monocytes. This chemokine may inhibit proliferation of myeloid progenitors in colony formation assays and it may be involved in formation and function of the mucosal lymphoid tissues by attracting lymphocytes and dendritic cells towards epithelial cells. Its C-terminal processed forms have been shown to be equally chemotactically active for leukocytes.

Deregulation of miRNAs and chemokine CCL20 was shown to play a role in colorectal cancer (CRC) pathogenesis and the regulation of CCL20 expression by miR-21 might be a regulatory mechanism involved in progression of colorectal cancer (CRC).

Purity:	>95 % (SDS-PAGE)
Endotoxin Level:	<5EU/mg protein (LAL test, Lonza).

Target Details

Target:	CCL20
Alternative Name:	CCL20 (CCL20 Products)
Background:	<p>Alternate Names/Synonyms: Chemokine (C-C motif) ligand 20, LARC, MIP-3A, ST38, Scya20, Exodus-1</p> <p>Product Description: Macrophage Inflammatory Protein-3 (MIP3A) or Chemokine (C-C motif) ligand 20 (CCL20) or liver activation regulated chemokine (LARC) or is a small cytokine belonging to the CC chemokine family that attracts immature dendritic cells and memory T lymphocytes, both expressing CCR6. Depending on the cell type, this chemokine was found to be inducible by cytokines (IL-1beta) and by bacterial, viral, or plant products. MIP3A / CCL20 is expressed predominantly in the liver, lymph nodes, appendix, peripheral blood lymphocytes, and fetal lung. Low levels of MIP3A / CCL20 has been seen in thymus, prostate, testis, small intestine and colon. As a chemotactic factor, MIP3A / CCL20 attracts lymphocytes and, slightly, neutrophils, but not monocytes. This chemokine may inhibit proliferation of myeloid progenitors in colony formation assays and it may be involved in formation and function of the mucosal lymphoid tissues by attracting lymphocytes and dendritic cells towards epithelial cells. Its C-terminal processed forms have been shown to be equally chemotactically active for leukocytes. Deregulation of miRNAs and chemokine CCL20 was shown to play a role in colorectal cancer (CRC) pathogenesis and the regulation of CCL20 expression by miR-21 might be a regulatory mechanism involved in progression of colorectal cancer (CRC).</p>
Molecular Weight:	~38kDa (SDS-PAGE)
NCBI Accession:	NP_058656

Target Details

Pathways: [The Global Phosphorylation Landscape of SARS-CoV-2 Infection](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Concentration: Lot specific

Buffer: Lyophilized from 0.2µm-filtered solution in PBS.

Handling Advice: Avoid freeze/thaw cycles.

Storage: 4 °C,-20 °C

Storage Comment: Short Term Storage: +4°C

Long Term Storage: -20°C

Use & Stability: Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.