Datasheet for ABIN2018260

CCL15 Protein (AA 22-113, Ile24Thr-Mutant)

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Overview

Quantity:	25 µg
Target:	CCL15
Protein Characteristics:	AA 22-113, Ile24Thr-Mutant
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Characteristics:	ED50 < 2 µg/mL, measured by the FLIPR assay using CHO cells transfected with human CCR1, the receptor of human CCL15, corresponding to a specific activity of > 500 units/mg.
Purity:	> 95 % by SDS-PAGE analysis.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

Target Details

Target:	CCL15
Alternative Name:	MIP-5 /CCL15 (CCL15 Products)
Background:	Macrophage Inflammatory Protein-5 (MIP-5/CCL15) is a chemokine originally identified in the human hemofiltrate, thus it is also named Hemofiltrate CC Chemokine-2 (HCC-2). MIP-5 belongs to the CCL chemokine family, and its receptors are G-protein coupled receptors CCR1 and CCR3, with CCR1 being the major one. MIP-5 is mainly expressed in heart and skeletal

Target Details

	muscle, and CCR1 is expressed on Th1 and Th2 cells in human cord blood lymphocytes. In vivo, MIP-5 promotes the accumulation of immature myeloid cells and the expansion of metastatic foci in the lever. MIP-5 contributes to severe asthma, sarcoidosis, and atherosclerosis,however, MIP-5 can also inhibit stem cell proliferation, implicating its therapeutic potential as an alternative to high dose chemotherapy.Recombinant human MIP-5/CCL15 (rhMIP-5/CCL15) produced in E.coli is a single non-glycosylated polypeptide chain containing 92 amino acids. A fully biologically active molecule, rhMIP-5/CCL15 has a molecular mass of 10.2 kDa analyzed by reducing SDS-PAGE. Synonyms: HCC-2, LKN-1, MIP-1 delta
Molecular Weight:	10.2 kDa, observed by reducing SDS-PAGE.
UniProt:	Q16663

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstituted in ddH2O at 100 µg/mL.
Buffer:	Lyophilized after extensive dialysis against PBS.
Storage:	-80 °C
Storage Comment:	Lyophilized recombinant human MIP-5/CCL15 (rhMIP-5/CCL15) remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, rhMIP-5/CCL15 remains stable up to 2 weeks at 4 °C or up to 3 months at -20 °C.
Expiry Date:	6 months