

ARG83436 Human CCL4 / MIP1 beta ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG83436 Human CCL4 / MIP1 beta ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CCL4 / MIP1 beta in Serum, plasma and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	CCL4 / MIP1 beta
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	1 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	7.8 - 500 pg/ml
Sample Volume	100 µl
Alternate Names	C-C motif chemokine 4; MIP-1-beta; Act-2; Protein H400; Small-inducible cytokine A4; ACT2; MIP-1B; Macrophage inflammatory protein 1-beta; Immune activation protein 2; SIS-gamma; ACT-2; Mip1b; Scya4; AT744.1

Application Instructions

Assay Time	3.5 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 4°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CCL4
Gene Full Name	chemokine (C-C motif) ligand 4
Background	CCL4, also known as macrophage inflammatory protein 1-beta (MIP1B), belongs to the intercrine beta (chemokine CC) family. Both CCL4 and the related protein CCL3 participate in the host response to invading bacterial, viral, parasite and fungal pathogens by regulating the trafficking and activation state of selected subgroups of inflammatory cells. While both CCL4 and CCL3 exert similar effects on monocytes, their effect on lymphocytes differ; with CCL4 selectively attracting CD4+ lymphocytes and CCL3 selectively attracting CD8+ lymphocytes. Additionally, both have been shown to be potent chemoattractants for B cells, eosinophils and dendritic cells. The processed form of CCL4 can induce down-modulation of surface expression of the chemokine receptor CCR5, thus inhibiting the

CCR5-mediated entry of HIV-1 in T cells.

Function

Monokine with inflammatory and chemokinetic properties. Binds to CCR5. One of the major HIV-suppressive factors produced by CD8+ T-cells. Recombinant MIP-1-beta induces a dose-dependent inhibition of different strains of HIV-1, HIV-2, and simian immunodeficiency virus (SIV). The processed form MIP-1-beta(3-69) retains the abilities to induce down-modulation of surface expression of the chemokine receptor CCR5 and to inhibit the CCR5-mediated entry of HIV-1 in T-cells. MIP-1-beta(3-69) is also a ligand for CCR1 and CCR2 isoform B. [UniProt]

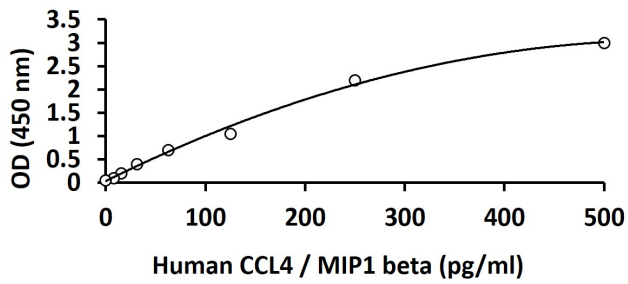
PTM

Disulfide bond

Cellular Localization

Secreted

Images



ARG83436 Human CCL4 / MIP1 beta ELISA Kit standard curve image

ARG83436 Human CCL4 / MIP1 beta ELISA Kit results of a typical standard run with optical density reading at 450 nm.