

ARG80908 Rat MIP-1 alpha ELISA kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG80908 Rat MIP-1 alpha ELISA kit is a Enzyme Immunoassay kit for the quantification of Rat MIP-1 alpha in Serum, Plasma, Cell culture supernatants
Tested Reactivity	Rat
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with MIP-1 β , MIP-1 γ , RANTES.
Target Name	CCL3 / MIP1 alpha
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	0.95 pg/ml
Sample Type	Serum, Plasma, Cell culture supernatants
Standard Range	1.95 - 125 pg/ml
Sample Volume	100 μ l
Precision	CV: less than 10%
Alternate Names	MIP-1-alpha; SIS-beta; PAT 464.1; Tonsillar lymphocyte LD78 alpha protein; G0/G1 switch regulatory protein 19-1; Small-inducible cytokine A3; C-C motif chemokine 3; LD78-alpha; 4-69; Macrophage inflammatory protein 1-alpha; MIP1A; SCYA3; GOS19-1; LD78ALPHA

Application Instructions

Assay Time	4 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°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.

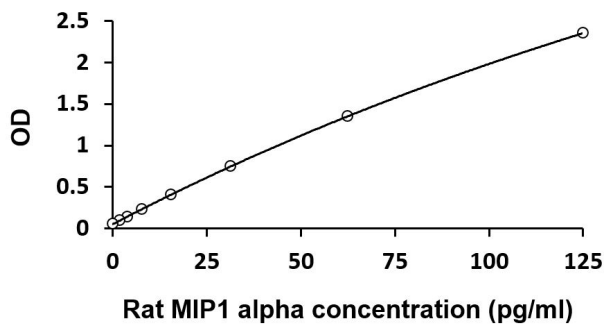
Bioinformation

Gene Symbol	Ccl3
Gene Full Name	chemokine (C-C motif) ligand 3
Background	CCL3 protein also known as macrophage inflammatory protein 1 alpha (MIP-1 alpha), is a small inducible cytokine with inflammatory and chemokinetic properties. It plays a role in inflammatory responses through binding to the receptors CCR1, CCR4 and CCR5. CCL3 is one of the major HIV-suppressive factors produced by CD8+ T-cells. Recombinant CCL3 (MIP-1 alpha) induces a dose-

dependent inhibition of different strains of HIV-1, HIV-2, and simian immunodeficiency virus (SIV).
[modified from RefSeq 2010 and UniProtKB]

Function	Monokine with inflammatory and chemokinetic properties. Has chemotactic activity for monocytes, neutrophils, eosinophils, basophils, and lymphocytes. Required for lung TNF-alpha production, neutrophil recruitment and subsequent lung injury and may function as an autocrine mediator for the macrophage production of TNF-alpha which in turn up-regulates vascular adhesion molecules required for neutrophil influx. This protein binds heparin. [UniProt]
Highlight	Related products: Rat MIP1 alpha ELISA Kits: New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Research Area	Immune System kit
PTM	N-terminal processed form LD78-alpha(4-69) is produced by proteolytic cleavage after secretion from HTLV1-transformed T-cells.

Images



ARG80908 Rat MIP-1 alpha ELISA kit standard curve image

ARG80908 Rat MIP-1 alpha ELISA kit results of a typical standard run with optical density reading at 450 nm.