

## ARG80167 Human CCL3 / MIP1 alpha ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG80167-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG80167-002	Standard (Lyophilized)	3 X 1 ng/vial	4°C
ARG80167-003	Standard diluent buffer	20 ml	4°C
ARG80167-004	Antibody conjugate concentrate	400 µl	4°C
ARG80167-005	Antibody diluent buffer	16 ml	4°C
ARG80167-006	HRP-Streptavidin concentrate	400 µl	4°C (Protect from light)
ARG80167-007	HRP-Streptavidin diluent buffer	16 ml	4°C
ARG80167-008	20X Wash buffer	50 ml	4°C
ARG80167-009	TMB substrate	12ml	4°C (Protect from light)
ARG80167-010	STOP solution	12ml	4°C
ARG80167-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG80167 Human CCL3 / MIP1 alpha ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CCL3 / MIP1 alpha in Serum, Plasma, Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with Human MIP-1β, MIP-1δ, MIP-3α, MIP-3β
Target Name	CCL3 / MIP1 alpha
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	8 pg/ml
Sample Type	Serum, Plasma, Cell culture supernatants
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl

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

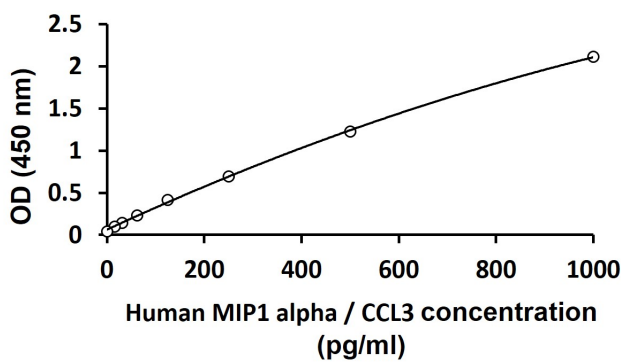
Assay Time	4 hours
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## Properties

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

Database links	<a href="#">GeneID: 6348 Human</a> <a href="#">Swiss-port # P10147 Human</a>
Gene Symbol	CCL3
Gene Full Name	chemokine (C-C motif) ligand 3
Background	MIP1 alpha belongs to the chemokine beta family. In vitro MIP1 alpha stimulates H2O2 production in human neutrophils. MIP1 alpha and MIP1 beta, two closely related but distinct proteins, were originally co-purified from medium conditioned by a LPS-stimulated murine macrophage cell line. Mature mouse MIP1 alpha shares approximately 77% and 70% amino acid identity with human MIP1 alpha and mouse MIP1 beta, respectively. MIP1 proteins are expressed primarily in T cells, B cells, and monocytes after antigen or mitogen stimulation. Has adhesive effects on lymphocytes. MIP1 alpha can inhibit the proliferation of hematopoietic stem cells in vitro as well as in vivo. A signal transducing receptor, designated the C-C chemokine receptor 1 (C-C CKR-1) with seven transmembrane domains that bind MIP1 alpha, MIP1 beta, MCP1 and RANTES with varying affinities, has been isolated.
Highlight	Related products: <a href="#">CCL3 antibodies</a> ; <a href="#">CCL3 ELISA Kits</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>
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.



ARG80167 Human CCL3 / MIP1 alpha ELISA Kit standard curve image

ARG80167 Human CCL3 / MIP1 alpha ELISA Kit results of a typical standard run with optical density reading at 450 nm.