

ARG80244 Rat RANTES ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG80244-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG80244-002	Standard (Lyophilized)	3 X 2 ng/vial	4°C
ARG80244-003	Standard diluent buffer	20 ml	4°C
ARG80244-004	Antibody conjugate concentrate	400 µl	4°C
ARG80244-005	Antibody diluent buffer	16 ml	4°C
ARG80244-006	HRP-Streptavidin concentrate	400 µl	4°C (Protect from light)
ARG80244-007	HRP-Streptavidin diluent buffer	16 ml	4°C
ARG80244-008	20X Wash buffer	50 ml	4°C
ARG80244-009	TMB substrate	12ml	4°C (Protect from light)
ARG80244-010	STOP solution	12ml	4°C
ARG80244-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG80244 Rat RANTES ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat RANTES in Serum, Plasma, Cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with Rat CINC-1, human EGRO beta, IP-10, IL-8, MIP-1 alpha, MIP-1 beta, mouse C10, IL-10R, Eotaxin, G-CSF, GM-CSF, JE/MCP-1, KC, IL-2,4,5,6,7,9,10, IL-10 R, IL-12 p70, IL-13, IL-17, IL-18
Target Name	RANTES
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	1.62 pg/ml
Sample Type	Serum, Plasma, Cell culture supernatants

Standard Range	3.125 - 200 pg/ml
Sample Volume	100 µl
Precision	CV:
Alternate Names	3-68; C-C motif chemokine 5; SIS-delta; D17S136E; SISd; T cell-specific protein P228; EoCP; Small-inducible cytokine A5; Eosinophil chemotactic cytokine; TCP228; 4-68; RANTES; SCYA5; eoCP; T-cell-specific protein RANTES

Application Instructions

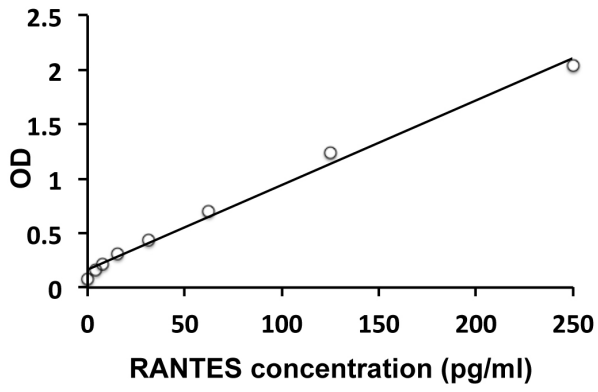
Assay Time	4 hours
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Properties

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	GeneID: 81780 Rat
Gene Symbol	Ccl5
Gene Full Name	chemokine (C-C motif) ligand 5
Background	This gene is one of several CC cytokine genes clustered on the q-arm of chromosome 17. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine encoded by this gene functions as a chemoattractant for blood monocytes, memory T helper cells and eosinophils. It causes the release of histamine from basophils and activates eosinophils. This cytokine is one of the major HIV-suppressive factors produced by CD8+ cells. It functions as one of the natural ligands for the chemokine receptor CCR5 and it suppresses in vitro replication of the R5 strains of HIV-1, which use CCR5 as a coreceptor. [provided by RefSeq]
Highlight	Related products: RANTES antibodies ; RANTES ELISA Kits ; Related news: circNDUFB2, a circular RNA (circRNA), activates anti-tumor immunity New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Research Area	Cell Biology and Cellular Response kit; Immune System kit
PTM	N-terminal processed form RANTES(3-68) is produced by proteolytic cleavage, probably by DPP4, after secretion from peripheral blood leukocytes and cultured sarcoma cells. The identity of the O-linked saccharides at Ser-27 and Ser-28 are not reported in PubMed:1380064. They are assigned by similarity.



ARG80244 Rat RANTES ELISA Kit standard curve image

ARG80244 Rat RANTES ELISA Kit results of a typical standard run with optical density reading at 450 nm.