

Human RANTES ELISA Kit

Catalog No :	KE1058
Reactivity :	Human
Applications :	ELISA
Gene Name :	CCL5
Protein Name :	C-C motif chemokine 5
Human Gene Id :	6352
Human Swiss Prot No :	P13501
Mouse Swiss Prot No :	P30882
Specificity :	Sample Type for Cell Culture Supernates, Cell lysates, Tissue Lysates, Serum, EDTA Plasma, Heparin Plasma
Storage Stability :	2-8°C/6 months
Detection Method :	Colorimetric
Background :	<p>function:Chemoattractant for blood monocytes, memory T-helper cells and eosinophils. Causes the release of histamine from basophils and activates eosinophils. Binds to CCR1, CCR3, CCR4 and CCR5. One of the major HIV-suppressive factors produced by CD8+ T-cells. Recombinant RANTES protein induces a dose-dependent inhibition of different strains of HIV-1, HIV-2, and simian immunodeficiency virus (SIV). The processed form RANTES(3-68) acts as a natural chemotaxis inhibitor and is a more potent inhibitor of HIV-1-infection. The second processed form RANTES(4-68) exhibits reduced chemotactic and HIV-suppressive activity compared with RANTES(1-68) and RANTES(3-68) and is generated by an unidentified enzyme associated with monocytes and neutrophils.,induction:By mitogens.,mass spectrometry: PubMed:1380064,mass spectrometry: PubMed:15923218,mass spectrometry:O-glycosylated PubMed:1380064,online information:RANTES entry,polymorphism:The variant Phe-24 is an antagonist of the chemokine receptors CCR1 and CCR3.,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.,PTM:The identity of the O-linked saccharides at Ser-27 and</p>

Ser-28 are not reported in PubMed:1380064. They are assigned by similarity.,similarity:Belongs to the intercrine beta (chemokine CC) family.,tissue specificity:T-cell and macrophage specific.,

Function :

response to molecule of bacterial origin, chronic inflammatory response, regulation of acute inflammatory response,positive regulation of acute inflammatory response, regulation of myeloid leukocyte differentiation, positive regulation of myeloid leukocyte differentiation, cellular ion homeostasis, cellular calcium ion homeostasis, cellular metal ion homeostasis, exocytosis, cell motion, chemotaxis, defense response, inflammatory response, immune response,cellular defense response, response to oxidative stress, cell adhesion, cell surface receptor linked signal transduction,G-protein coupled receptor protein signaling pathway, cell-cell signaling, aging, behavior, locomotory behavior,response to wounding, response to virus, response to bacterium, response to endogenous stimulus, response to hormone stimulus, response to organic substance, vesicle-mediated transport, cell migration, cellu

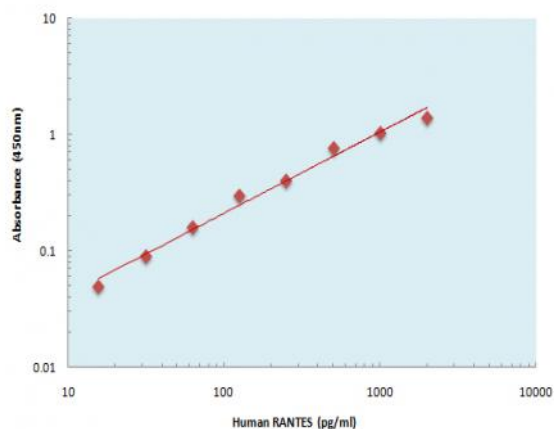
Subcellular Location :

Secreted.

Expression :

Expressed in the follicular fluid (at protein level). T-cell and macrophage specific.

Products Images



The Human RANTES ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human RANTES proteins within the range of 16-2000 pg/ml.