9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

Rantes Rhesus Macaque

Rantes Rhesus Macaque Recombinant (CCL5)
CHK0155

Product Overview

Name	Rantes Rhesus Macaque
Description	
Rantes Rhesus Macaque Recombinant (CCL5)	
Accession (Primary)	Q8HYQ1
Synonyms	
C-C motif chemokine 5, Small-inducible cytokine A5, T-cell-specific protein RANTES, CCL5.	
Introduction	
Regulated upon Activation, Normal T-cell Expressed, and Secreted or RANTES is an 8 kDa protein classified as a chemotactic cytokine or chemokine. It has recently been renamed CCL5. RANTES is chemotactic for T cells, eosinophils and basophils and plays an active role in recruiting leukocytes into inflammatory sites. With the help of particular cytokines (i.e. IL-2 and IFN-?) that are released by T cells, RANTES also induces the proliferation and activation of certain natural killer (NK) cells to form CHAK (CC-Chemokine-activated killer) cells. It is also a HIV-suppressive factor released from CD8+ T cells. This chemokine has been localized to chromosome 17 in humans.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Rantes protein was lyophilized from a 0.2 μm filtered concentrated solution in 20mM PB pH 6.0 and 500mM NaCl.	
Stability	
Lyophilized Rantes although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CCL5 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
SPHASDTTPC CFAYIARPLP RAHIKEYFYT SGKCSNPAVV FVTRKNRQVC ANPEKKWVRE YINSLEMS.	
Biological Activity	

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The biological activity determined by a chemotaxis bioassay using human peripheral blood monocytes is in a concentration range of 1.0-10 ng/ml.

Solubility

It is recommended to reconstitute the lyophilized Rantes in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

Rantes Rhesus Macaque is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q8HYQ1)