

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Recombinant Human RANTES

□rHuRANTES/ CCL5□

Catalog Number: PR1111

Source: Escherichia coli.

Quantity: 5µg/20µg/1.0mg

Description

CCL5 or RANTES (acronym for Regulated upon Activation, Normal T cell Expressed and presumably Secreted), was initially discovered by subtractive hybridization as a transcript expressed in T cells but not B cells. Eosinophil chemotactic activities released by thrombin-stimulated human platelets have also been purified and found to be identical to RANTES. Besides T cells and platelets, RANTES has been reported to be produced by renal tubular epithelium, synovial fibroblasts and selected tumor cells.

Molecular Weight:

7.8 kDa, a single non-glycosylated polypeptide chain containing 68 amino acids.

Purity:

>98% by SDS-PAGE and HPLC analyses.

Biological Activity:

Measured by its ability to chemoattract human CCR5 transfected BaF3 mouse pro-B cells. The ED50 for this effect is typically 1-5ng/mL, corresponding to a Specific Activity of □2 x 10⁵ IU/mg.

Physical Appearance:

Sterile Filtered White Lyophilized (freeze-dried) powder.

Formulation:

Lyophilized from a 0.2mm filtered concentrated solution in 20mM PB, pH 7.4, 100mM NaCl.

AA Sequence:

S P Y S S D T T P C C F A Y I A R P L P R A H I K E Y F
Y T S G K C S N P A V V F V T R K N R Q V C A N P E K
K W V R E Y I N S L E M S

Endotoxin:

Less than 1EU/mg of rHuRANTES/ CCL5 as determined by LAL method.

Reconstitution:

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at <-20°C. Further dilutions should be made in appropriate buffered solutions.

Storage:

This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.

Usage:

This material is offered by USA Bioworld biotech for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE. Made in China

MADE IN CHINA

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