

GFM45 Recombinant Mouse RANTES / CCL5

Description

Regulated upon activation, normal T cell expressed and secreted (RANTES), also known as CCL5, is a chemokine produced by T cells three to five days after T cell activation. RANTES signals through G protein-coupled receptors CCR5, CCR3, CCR1, and through the human CMV-encoded viral receptor US28. RANTES functions to recruit immune cells to inflammatory sites.

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|-------------------------|---|
| Length | 68 aa |
| Molecular Weight | 7.9 kDa |
| Source | E. coli |
| Accession Number | P13501 |
| Purity | ≥95% determined by reducing and non-reducing SDS-PAGE |

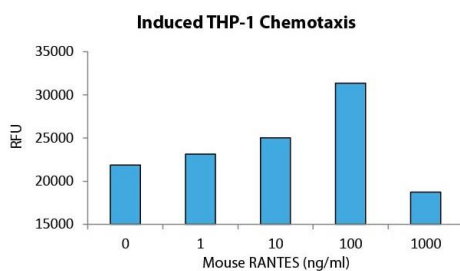
Specifications

| | |
|----------------------------|---|
| Alternative Names | CCL5, TCP228, SIS-delta, SCYA5 |
| Biological Activity | Mouse RANTES is fully biologically active when compared to standard. The activity is determined by the ability to induce chemotaxis of THP-1 cells. |
| Endotoxin Level | ≤1.00 EU/μg as measured by kinetic LAL |
| Formulation | Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA) |
| AA Sequence | SPYSSDTTPC CFAYIARPLP RAHIKEYFYT SGKCSNPAVV FVTRKNRQVC ANPEKKWVRE YINSLEMS |

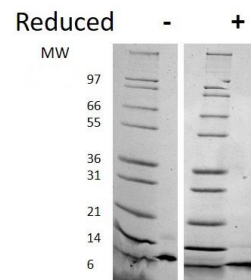
Preparation and Storage

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|------------------------------|---|
| Reconstitution | Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at 0.1 mg/ml, which can be further diluted into other aqueous solutions. |
| Stability and Storage | 12 months from date of receipt when stored at -20°C to -80°C as supplied. 1 month when stored at 4°C after reconstituting as directed. 3 months when stored at -20°C to -80°C after reconstituting as directed. |

Data



Induced chemotaxis of human THP-1 cells assay for Mouse RANTES. Cells that migrated were counted using a luminescent substrate. Migration over basal levels was reported in response to Mouse RANTES starting at 10 ng/ml.



Non-reducing (-) and reducing (+) conditions in a 4 - 20% Tris-Glycine gel stained with Coomassie Blue. 1 μg of protein was loaded in each lane. Mouse RANTES has a predicted Mw of 7.9 kDa.