

CCL4

Recombinant Human CCL4

Catalog No.	CRL601B	Quantity:	20 µg
Alternate Names:	C-C motif chemokine 4, Lymphocyte activation gene 1 protein, LAG-1, Macrophage inflammatory protein 1-beta, MIP-1-beta		
Description:	LAG-1 is CC chemokine that signals through the CCR5 receptor. LAG-1 is identical to MIP-1beta (ACT II isotype) except for two amino acid substitutions; arginine for histidine at position 22 and serine for glycine at position 47 of the mature protein. LAG-1 chemoattracts monocytes, and exhibits activity as an HIV suppressive factor.		
Uniprot ID:	P13236		
GeneID:	6351		
Source:	Insect cells		
Molecular Weight:	7.7 kDa (69 aa)		
Formulation:	Lyophilized from PBS.		
Purity:	> 90% by SDS-PAGE and HPLC analyses		
Endotoxin Level:	< 1 EU/µg		
Biological Activity:	Determined by its ability to chemoattract CCR5 transfected cells using a concentration of 0.1-10.0 ng/ml.		
Amino Acid Sequence:	APMGSDPPTA CCFSYTARKL PRNFVVDYIE TSSLCSQPAV VFQTKRSKQV CADPSESWVQ EYVYDLELN		
Reconstitution:	Centrifuge vial prior to opening. Add PBS or medium to the vial to fully solubilize the protein to a concentration ≥ 100 µg/ml. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein such as 0.1% BSA and store in working aliquots at -20°C to -80°C.		
Storage & Stability:	Lyophilized protein is stable for 1 year at -20°C to -80°C. Store reconstituted protein in working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		

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