

CCL1

Recombinant Human I-309/CCL1

Catalog No.	CRI400A CRI400B CRI400C	Quantity:	2 µg 10 µg 1.0 mg
Alternate Names:	I-309, P500, SCYA1, SISE, TCA3, T lymphocyte-secreted protein I-309, inflammatory cytokine I-309, small inducible cytokine A1, small inducible cytokine A1 (I-309, homologous to mouse Tca-3)		
Description:	Human I-309/CCL1 was initially identified by subtractive hybridization as a transcript that was present in a γ/δ T cell line but not in EBV-transformed B cells. Human CCL1 has been assumed to be a homologue of the mouse TCA3. While the two proteins share only approximately 42% amino acid sequence identity, both chemokines contain an extra pair of cysteine residues not found in most other chemokines. Human CCL1 and mouse TCA3 also share significant sequence homology in the 5' flanking region of their genes.		
Gene ID:	6346		
Source:	<i>E. coli</i>		
Molecular Weight:	Approximately 8.5 kDa, a single, non-glycosylated polypeptide chain containing 74 amino acids.		
Formulation:	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4 + 100 mM NaCl.		
Purity:	>97% by SDS-PAGE and HPLC analyses.		
Endotoxin Level:	Less than 1EU/µg as determined by LAL method.		
Biological Activity:	Fully biologically active when compared to standard. The ED ₅₀ determined by a chemotaxis bioassay using mouse BW5147 T lymphoma cells is less than 9 ng/ml.		
Specific Activity:	> 1.1 × 10 ⁵ IU/mg.		
Amino Acid Sequence:	SKSMQVPFSR CCFSAEQEI PLRAILCYRN TSSICSNEGL IFKLRGKEA CALDTVGWVQ RHRKMLRHCP SKRK		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/ml. Further dilutions should be made in appropriate buffered solutions.		
Storage & Stability:	This lyophilized preparation is stable at 2-4°C, but should be kept desiccated at -20°C for long term storage. Upon reconstitution, the preparation is stable for up to one week at 2-4°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. Avoid repeated freeze/thaw cycles.		

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