

CCL4 Protein, Mouse

Cat. No.:	HY-P71889
Synonyms:	Ccl4; Mip1b; Scya4; C-C motif chemokine 4; Immune activation protein 2; ACT-2; ACT2; Macrophage inflammatory protein 1-beta; MIP-1-beta; Protein H400; SIS-gamma; Small-inducible cytokine A4
Species:	Mouse
Source:	E. coli
Accession:	P14097 (A24-N92)
Gene ID:	20303
Molecular Weight:	Approximately 7.8 kDa

PROPERTIES

AA Sequence	A P M G S D P P T S C C F S Y T S R Q L H R S F V M D Y Y E T S S L C S K P A V V F L T K R G R Q I C A N P S E P W V T E Y M S D L E L N
Biological Activity	1. Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human monocytes is in a concentration range of 20-100 ng/mL. 2. Measured by its ability to chemoattract BaF3 mouse pro-B cells transfected with human CCR5. The ED ₅₀ for this effect is 5.030 ng/mL, corresponding to a specific activity is 1.988×10 ⁵ U/mg.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 μm solution of 50 mM Tris-HCL, 300 mM NaCl, pH 8.0.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in sterile distilled water. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	CCL4 protein, characterized by its inflammatory and chemokinetic properties, functions as a monokine and forms homodimers.
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Caution: Product has not been fully validated for medical applications. For research use only.

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