


Mouse IL-17A protein

Cat #: PRP1135

Size: 5µg/20µg/100µg/1mg

Product Information

	Product Name: Mouse IL-17A protein		
REF	Catalog Number: PRP1135	LOT	Lot Number: Refer to product label
	Purity: > 98 % as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: E. coli
	Shipping: The product is shipped at ambient temperature.		

Background: IL-17A is a cytokine belonging to the IL-17 family. They control many different cell functions, including proliferation, differentiation and cell survival/apoptosis, but also participate in some pathophysiological processes, including virus infection and autoimmune diseases. The IL-17 cytokine family includes six members, IL-17/IL-17A, IL-17B, IL-17C, IL-17D, IL-17E/IL-25 and IL-17F, which are produced by various cell types. IL-17 regulates the activities of NF-KD and mitogen-activated protein kinase. This cytokine can stimulate the expression of IL-6 and cyclooxygenase -2 (PTGS2/COX-2) and enhance the production of nitric oxide (NO). High levels of IL-17 are associated with several chronic inflammatory diseases, including rheumatoid arthritis, psoriasis and multiple sclerosis.

Sequence: Amino acid sequence derived from Mouse IL-17A (Ala20-Ala158)(Q62386) was expressed with 6×His tag at the C-terminus.

Protein length: The secreted Mouse IL-17A consists of 139 amino acids and has a predicted molecular mass of 15.9 kDa.

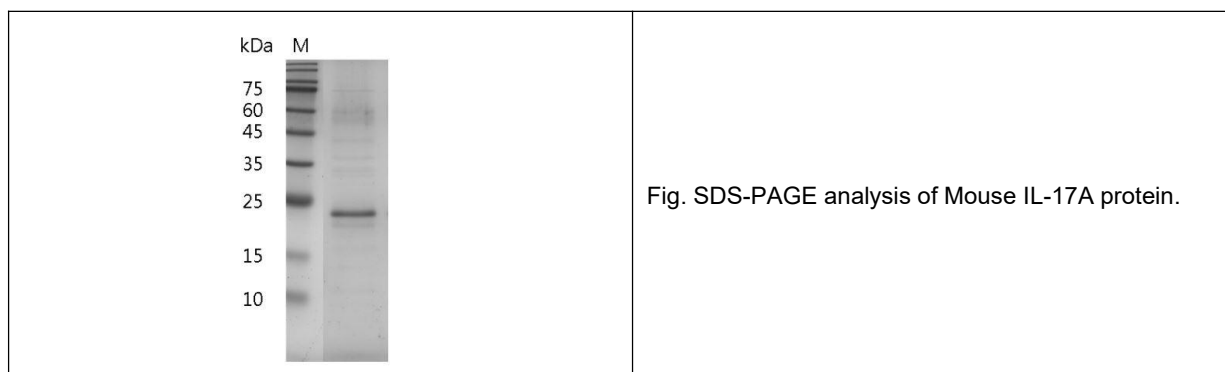
Biological Activity: Measure by its ability to induce IL-6 secretion in 3T3 cells. The ED₅₀ for this effect is <1 ng/mL. The specific activity of recombinant Mouse IL-17A is > 1 x 10⁶ IU/mg.

Endotoxin: < 0.1 EU per µg of the protein as determined by the LAL method.

Formulation: Lyophilized from a 0.2 µm filtered solution containing 20 mM sodium citrate, 0.2 M NaCl, pH 4.5.

Storage Instructions: Lyophilized protein product should be stored desiccated below -18°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (5% HSA, 10%FBS or 0.1%BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized recombinant Mouse IL-17A protein to a concentration of 0.1-1 mg/mL in sterile ddH₂O, and keep at room temperature for at least 20 min to fully dissolve. Please avoid vortex vigorously.



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