Active Recombinant Mouse Il17a Protein, His-Tagged

Cat. No. Il17a-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Il17a Protein, His-tagged was expressed in E. coli cell
Species	Mouse
Source	E.coli
Description	Interleukin-17A is a protein that in humans is encoded by the IL17A gene. The protein encoded by this gene is a proinflammatory cytokine produced by activated T cells. This cytokine regulates the activities of NF-kappaB and mitogen-activated protein kinases. This cytokine can stimulate the expression of IL6 and cyclooxygenase-2 (PTGS2/COX-2), as well as enhance the production of nitric oxide (NO).
Form	Lyophilized powder
AA Sequence	MAAIIPQSSACPNTEAKDFLQNVKVNLKVFNSLGAKVSSRRPSDYLNRSTSPWTLHR NEDPDRYPSVIWEAQCRHQRCVNAEGKLDHHM NSVLIQQEILVLKREPESCPFTFRVEKMLVGVGCTCVASIVRQAA with polyhistidine t ag at the C-terminus
Endotoxin	<0.1 EU per 1 μg of the protein by the LAL method.
Bio-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 10^6 IU/mg.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography

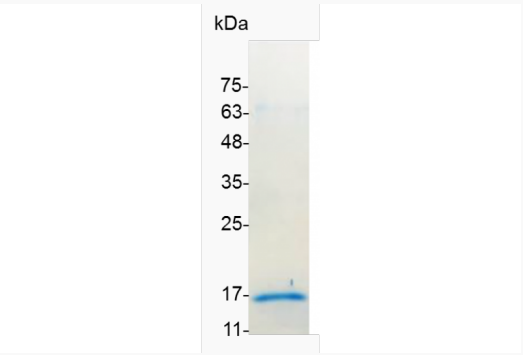
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Storage Buffer	The protein was lyophilized from a solution containing 20 mM sodium citrate, 0.2 M NaCl, pH 4.5.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Notes	Please use within one month after protein reconstitution.

GENE INFORMATION

Gene Name	Il17a interleukin 17A [Mus musculus (house mouse)]
Official Symbol	Il17a
Synonyms	Il17; Ctla8; IL-17; Ctla-8; IL-17A
Gene ID	16171
mRNA Refseq	NM_010552.3
Protein Refseq	NP_034682.1
UniProt ID	Q60971

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