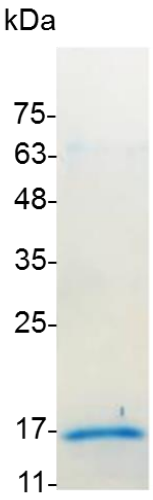
PRODUCT INFORMATION

IL-17A (Interleukin-17A), Mouse

Catalog number	C02018-5UG / C02018-20UG / C02018-100UG
Package	5 μg / 20 μg / 100 μg
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).
Source	*Escherichia coli*
Sequence	MAAIIPQSSACPNTEAKDFLQNVKVNLKVFNSLGAKVSSRRPSDYLNRSTSPWT LHRNEDPDRYPSVIWEAQCRHQRCVNAEGKLDHHMNSVLIQQEILVLKREPES CPFTFRVEKMLVGVGCTCVASIVRQAA with polyhistidine tag at the C-terminus
Endotoxin level	<0.1 EU per 1 μg of the protein by the LAL method.
Activity	Measure by its ability to induce IL-6 secretion in 3T3 cells. The ED_{50} 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
Formulation	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 H_2O 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.
Note	Please use within one month after protein reconstitution.



SDS-PAGE analysis of recombinant mouse IL-17A

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