

Datasheet for ABIN1684755 IL-17 Protein

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Overview

Quantity:	50 µg
Target:	IL-17 (IL17)
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Biological Activity:	Active

Product Details

Specificity:	Optimized DNA sequence encoding Mouse Interleukin-17A mature chain was expressed in Escherichia Coli.
Characteristics:	<p>Native Mouse Interleukin17A, generated by the proteolytic removal of the signal peptide and propeptide, the molecule has a calculated molecular mass of approximately 16kDa.</p> <p>Recombinant Mouse IL-17A is a disulfide-linked monodimeric protein consisting of 137 amino acid residue subunits, and migrates as an approximately 16kDa protein under reducing conditions in SDS-PAGE.</p>
Purity:	> 95 %, as determined by SDS-PAGE and HPLC
Sterility:	0.2 µm filtered
Endotoxin Level:	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/µg(1EU/µg).

Target Details

Target:	IL-17 (IL17)
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Target Details

Alternative Name:	IL-17 (IL17 Products)
Background:	IL-33, a member of the IL-1 family, signals via a heterodimeric receptor complex consisting of ST2 and IL-1R accessory protein and triggers the activation of NF-B and all three MAPKs: p38, ERK1/2, and JNK1/2 in mast cells. IL-33 is expressed in multiple tissues and by several cell types such as dermal fibroblasts and small airway epithelial and bronchial smooth muscle cells. IL-33 activated IL-1-like signaling responses in mast cells and enhanced IL-5 and IL-13 production from murine Th2-polarized splenocytes. Moreover, it was found that both human and murine mast cells when stimulated in vitro with IL-33 produced a wide spectrum of cytokines and chemokines. In addition, IL-33 enhanced IL-4-driven Th2 cell responses and acted as a selective chemoattractant for Th2 cell recruitment.
UniProt:	Q62386

Application Details

Comment:	The activity was measured by the ability to bind Human IL17RA in a functional ELISA assay with a linear range of 10-500 ng/mL. Complete precursor sequence shown, expressed chain highlighted
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Buffer:	PBS solution pH 7.5.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	-20 °C
Storage Comment:	The lyophilized protein is stable for at least years from date of receipt at -20 °C. Upon reconstitution, this cytokine can be stored in working aliquots at -8 °C for one month, or at -20 °C for six months, with a carrier protein without detectable loss of activity.
Expiry Date:	12-24 months