

Recombinant Mouse interleukin 17A Protein, Flag tagged

Cat. No. II17a-180M Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant mouse IL-17A protein (Q62386) (Ala 26-Ala 158) with a Flag tag at the C-terminus was expressed in HEK293.

Species Mouse

Source HEK293

ProteinLength 26-158aa

Description

Effector cytokine of innate and adaptive immune system involved in antimicrobial host defense and maintenance of tissue integrity. Plays an important role in connecting T cell-mediated adaptive immunity and acute inflammatory response to destroy extracellular bacteria and fungi. As a signature effector cytokine of T-helper 17 cells (Th17), primarily induces neutrophil activation and recruitment at infection and inflammatory sites. In airway epithelium, mediates neutrophil chemotaxis via induction of CXCL1 and CXCL5 chemokines. In secondary lymphoid organs, contributes to germinal center formation by regulating the chemotactic response of B cells to CXCL12 and CXCL13, enhancing retention of B cells within the germinal centers, B cell somatic hypermutation rate and selection toward plasma cells. Effector cytokine of a subset of gamma-delta T cells that functions as part of an inflammatory circuit downstream IL1B, TLR2 and IL23A-IL12B to promote neutrophil recruitment for efficient bacterial clearance. Effector cytokine of innate immune cells including invariant natural killer cell (iNKT) and group 3 innate lymphoid cells that mediate initial neutrophilic inflammation. Involved in the maintenance of the integrity of epithelial

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	barriers during homeostasis and pathogen infection.
Tag	C-Flag
Molecular Mass	16.6 kDa
Endotoxin	Less than 1.0 EU/μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.
Reconstitution	Reconstitute at 250 μg/mL in sterile water.

GENE INFORMATION

Gene Name	Il17a interleukin 17A [<i>Mus musculus</i> (house mouse)]
Official Symbol	Il17a
Synonyms	IL17A; interleukin 17A; interleukin-17A; cytotoxic T-lymphocyte-associated antigen 8; Il17; Ctl8; IL-17; Ctl8; IL-17A;
Gene ID	16171
mRNA Refseq	NM_010552

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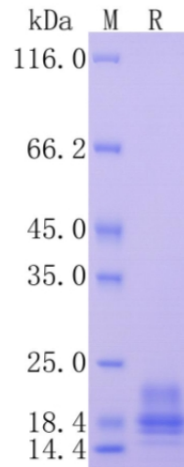
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Protein Refseq NP_034682

UniProt ID Q62386

Protein on SDS-PAGE under reducing (R) condition.



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