# Recombinant Mouse IL17

**Cat No:HR2R2150**

For research use only

## Overview

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|---|---|
| Quantity | 1.0 ?g |
| Gene Symbol | IL17 |
| Gene ID | 16171 |
| Accession | Q62386 |
| Alternative Name | Interleukin-17A, IL-17, IL-17A, Cytotoxic T-lymphocyte-associated antigen 8, CTLA-8, Ctla8, Il17<br/>Recombinant Mouse Interleukin-17 (IL17) |
| Species | Mouse |
| Source | E. coli |
| Description | Interleukin-17 (IL-17 or IL-17A) is the founder member of the IL-17 cytokine family, which shares 50% homology with IL-17F. IL-17 cytokines are produced by T helper (TH)17 cells, gamma delta T cells, and other immune cells. IL-17A and IL-17F form homodimers and heterodimers as functional ligands. IL-17 cytokines bind to two receptors, IL-17RA and IL-17RC. IL-17RC forms a receptor heterodimer with IL-17RA. The receptor heterodimer is preferred by IL-17 ligands, thus, either IL-17RA knockout (KO) or IL-17RC KO completely abolishes IL-17 signaling. IL-17A and IL-17F are key proinflammatory cytokines involved in many inflammatory and autoimmune diseases. |
| Functions | The ED(50) was determined by the dose-dependent proliferation of immortalized human gingival keratinocytes (Gie-No3B11) and was found to be <0.5ng/mL. |
| Formulation | Lyophilized from a 0.2 ?m filtered solution in PBS |
| Solubility | 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. |
| Appearance | Lyophilized Powder |
| Molecular Weight | 16 |
| Purity | >95% as determined by SDS-PAGE |
| Concentration | <1.0 EU/?g of recombinant protein as determined by the LAL method. |
| Shipping Condition | Ambient Temperature |
| Storage Condition | The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles. |