Recombinant Mouse IL17

Cat No:HR2R2149

For research use only

Overview

Quantity	25 ?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 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.