

Recombinant Rat Interleukin-17A (Rat IL-17A)

Product Information

Product Name	Cat#	Size
Recombinant Rat Interleukin-17A (Rat IL-17A)	90177ES08	5 µg
	90177ES25	25 µg
	90177ES60	100 µg
	90177ES80	1 mg

Product Description

Interleukin-17A (IL-17A), also known as CTLA-8, is a glycosylated cytokine that plays an important role in anti-microbial and chronic inflammation. The six IL-17 cytokines (IL-17A-F) are encoded by separate genes but adopt a conserved cystine knot fold. Mature rat IL-17A shares 60% and 89% amino acid sequence identity with human and mouse IL-17A, respectively. IL-17A is secreted by Th17 cells, γ/δ T cells, iNKT cells, NK cells, LT α cells, neutrophils, and intestinal Paneth cells.

Product Properties

Synonyms	CTLA8; CTLA-8
Accession	Q61453
Unigene	Rn.218513.
Source	E.coli-derived Rat IL-17A, Ala18-Ser150.
Molecular Weight	Approximately 30.0 kDa.
AA Sequence	AVLIPQSSVC PNAEANNFLQ NVKVNLIKVIN SLSSKASSRR PSDYLNLRSTS PWTLSRNEDP DRYPYSVIWEA QCRHQRCVNA EGKLDHHMNS VLIQQEILVL KREPEKCPFT FRVEKMLVGV GCTCVSSIVR HAS
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	> 95% by SDS-PAGE and HPLC analyses.
Biological Activity	The ED ₅₀ as determined by inducing IL-6 secretion of murine NIH/3T3 cells is less than 1.0 ng/mL, corresponding to a specific activity of > 1.0 × 10 ⁶ IU/mg. Fully biologically active when compared to standard.
Endotoxin	< 0.1 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 2 × PBS, pH 6.5.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20°C. Further dilutions should be made in appropriate buffered solutions.

Shipping and Storage

The products are shipped with ice pack and can be stored at -20°C to -80°C for 1 year.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

Cautions

1. Avoid repeated freeze-thaw cycles.
2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only!