

Datasheet for ABIN6700894

Interleukin 17a Protein[Go to Product page](#)**1** Image

Overview

Quantity:	25 µg
Target:	Interleukin 17a (IL17A)
Origin:	Rat
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Purpose:	IL-17A Rat Recombinant Protein
Purification:	Purity was determined to be greater than 97% by reducing and non-reducing SDS- PAGE.
Purity:	97,00%
Endotoxin Level:	Measured by LAL is 0.03 EU/µg protein.
Biological Activity Comment:	Rat IL-17A is fully biologically active when compared to standards via dose-dependent induction of IL-6 production in cultured mouse NIH 3T3 fibroblasts. The ED50 for recombinant rat IL-17A in this assay was 0.44-0.66ng/ml.

Target Details

Target:	Interleukin 17a (IL17A)
Alternative Name:	Il17a (IL17A Products)
Background:	Synonyms: Interleukin-17A cytokine, IL-17A, IL-17, Cytotoxic T-lymphocyte-associated antigen 8, CTLA-8

Target Details

Background: Rat IL-17A (IL-17), also known as CTLA-8, is a proinflammatory cytokine member of a six-species family of proteins (IL-17A-17F). Rat IL-17A protein is a homodimer consisting of two 134 amino acids peptides. IL-17A is secreted mainly by activated CD4+ and CD8+ T lymphocytes and acts through its receptor, IL-17R, to induce the expression of many mediators of inflammation, most strikingly, those that are involved in the proliferation, maturation and chemotaxis of neutrophils. Elevated levels of IL-17A have been associated with several conditions, including rheumatoid arthritis, airway inflammation, allograft rejection, inflammatory bowel disease, psoriasis, cancer and multiple sclerosis. There is 58 % identity between the amino acid sequence of human and rat IL-17A. Recombinant rat IL-17A produced in E.coli is a non-glycosylated disulfide-joined homodimer having a molecular mass of 30.0 kDa.

UniProt: [Q61453](#)

Application Details

Application Notes: Other: User Optimized
Application_Note: IL-17A protein has been tested by SDS-PAGE and is suitable as a control for polyclonal or monoclonal anti-IL-17A in immunological assays.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitution_Buffer: Restore with deionized water (or equivalent)
Reconstitution_Volume: 250 µL

Concentration: 0.1 mg/mL

Buffer: Buffer: 0.01 M Sodium Citrate, pH 3.0
Stabilizer: None

Preservative: Without preservative

Storage: 4 °C, -20 °C

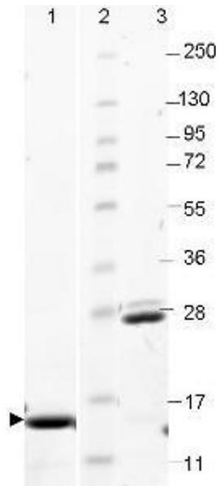
Storage Comment: Store vial at 4° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL) . For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing

Handling

at room temperature.

Expiry Date: 6 months

Images



SDS-PAGE

Image 1. IL-17A Rat Recombinant Protein - SDS-PAGE. SDS-PAGE using Recombinant Rat IL-17A Protein shows bands corresponding to IL-17A (2 μ g) in lane 1 (reduced, arrowhead) and lane 3 (unreduced). Molecular weight estimation was made by comparison to prestained MW markers, lane 2.