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Datasheet for ABIN2018066

Interleukin 17a Protein (AA 20-155) (His tag)

Overview

Quantity:	50 µg
Target:	Interleukin 17a (IL17A)
Protein Characteristics:	AA 20-155
Origin:	Human
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Interleukin 17a protein is labelled with His tag.

Product Details

Characteristics:	ED50 < 0.3 ng/mL, measured in a bioassay using NHDF cells, corresponding to a specific activity of > 3.3x10 ⁶ units/mg. AA 20-155 expressed with C-terminal 6xHis.
Purity:	> 95 % as analyzed by SDS-PAGE.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

Target Details

Target:	Interleukin 17a (IL17A)
Alternative Name:	Interleukin-17A (IL-17A) (IL17A Products)
Background:	Interleukin-17A (IL-17A), also known as CTLA-8 and IL-17, is a proinflammatory cytokine belonging to the IL-17 family. It is secreted by Th17 cells, gamma/delta T cells, NK cells and

Target Details

neutrophils. IL-17A signals through IL-17 receptor A in a complex with receptor C or D to regulate NF-kappaB and MAP kinase activities. IL-17A plays important roles in the anti-microbial response and chronic inflammation. It stimulates the production of IL-6, IL-8 and G-CSF in epithelial and endothelial cells, and induces the expression of ICAM-1 in fibroblasts. Clinically, IL-17A has been associated with inflammatory diseases, such as rheumatoid arthritis, psoriasis and multiple sclerosis. Recombinant human Interleukin-17A (rhIL-17A) produced in CHO cells is a glycosylated homodimer chain containing 142 amino acids. A fully biologically active molecule, rhIL-17A has a molecular mass of around 14-22 kDa analyzed by reducing SDS-PAGE.

Synonyms:

Molecular Weight: 14-22 kDa, observed by reducing SDS-PAGE.

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstituted in ddH₂O or PBS at 100 µg/mL.

Buffer: Lyophilized after extensive dialysis against PBS.

Storage: -80 °C

Storage Comment: Lyophilized recombinant human Interleukin-17A (IL-17A), His remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, human Interleukin-17A (IL-17A), His should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.

Expiry Date: 6 months