

Human IL17 / IL17A Protein

Catalog Number: 12047-HNAS



Sino Biological Inc.
Biological Solution Specialist

General Information

Gene Name Synonym:

IL17A, CTLA8, IL17

Protein Construction:

A DNA sequence encoding the mature form of human IL17A(Q16552) (Ile20-Ala155) was expressed with a N-terminal Met.

Source: Human

Expression Host: CHO Stable Cells

QC Testing

Purity: (16.9+21.7+50.1) % as determined by SDS-PAGE

Bio-Activity:

1. Measured by its binding ability in a functional ELISA. Immobilized human IL17A (cat:12047-HNAS) at 10 µg/ml (100 µl/well) can bind human IL17Ra (Cat:10895-H03H). The EC50 of human IL17Ra (Cat:10895-H03H) is 20.0-48.0 ng/ml.

2. Measured by its ability to induce IL-6 secretion by HFF human foreskin fibroblast cells. The ED50 for this effect is typically 1-4 ng/mL.

Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Met

Molecular Mass:

The recombinant human IL17A consists of 137 amino acids and predicts a molecular mass of 15.7 KDa. It migrates as an approximately 16, 19, and 20 KDa band in SDS-PAGE under reducing conditions due to glycosylation.

Formulation:

Lyophilized from sterile PBS, pH 7.4.

Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

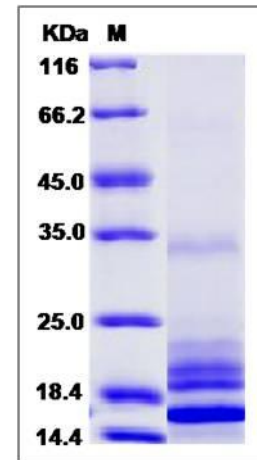
Usage Guide

Storage:

Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

SDS-PAGE:



Reconstitution:

Detailed reconstitution instructions are sent along with the products.

Manufactured By Sino Biological Inc., FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

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