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Certificate of Analysis and Data Sheet

Recombinant Human Interleukin-17 (IL-17 / IL-17A), His-tagged

Catalog No.

228-10883

Source:

Escherichia Coli

Synonyms

CTLA-8, IL-17, IL-17A, Cytotoxic T-lymphocyte-associated antigen 8, IL17A.

Introduction

IL17 is a proinflammatory cytokine produced by activated T cells. IL-17 regulates the activities of NF-kappaB and mitogen-activated protein kinases. Interleukin-17 can stimulate the expression of IL6 and cyclooxygenase-2 (PTGS2/COX-2), as well as enhance the production of nitric oxide (NO). High levels of IL-17 are associated with several chronic inflammatory diseases including rheumatoid arthritis, psoriasis and multiple sclerosis.

Description

Interleukin-17A Human Recombinant produced in E.Coli is a single, non-glycosylated, Polypeptide chain containing 132 amino acids fragment (24-155) having a molecular weight of 19.62kDa and fused with a 4.5kDa amino-terminal hexahistidine tag.

The IL-17A His is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile Filtered clear solution.

Formulation

Interleukin-17 protein solution (0.171mg/ml) is supplied in 25mM Na-Acetate pH 4.8 and 50% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks.

Store, frozen at -20°C for longer periods of time.

Please prevent freeze-thaw cycles.

Purity

Greater than 95.0% as determined by SDS-PAGE.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**