IL-19 Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: Melanoma differentiation association like protein

Cat. No.:	
RBG10019002	(2 µg)
RBG10019010	(10 µg)
RBG10019100	(100 µg)

Description

IL-19 belongs to the IL-10 family of regulatory cytokines, which includes IL-10, IL-19, IL-20, IL-22, IL-24 and IL-26. Members of this family share partial homology in their amino acid sequences, but they are dissimilar in their biological functions. Preliminary data suggests that IL-19 is a proinflammatory cytokine, because it up-regulates IL-6 and TNF-alpha, and induces apoptosis through TNF-alpha. IL-19 signals through the type I IL-20R. Human and murine IL-19 share 71% amino acid sequence identity. Recombinant Human IL-19 is a 35.8 kDa homodimer of two 154 amino acid chains. In solution, IL-19 exists predominantly as a non-disulfide-linked dimer.

Research topic

Cardiovascular disease, Coronary artery disease, Immune Response, Infection and Inflammation

Amino Acid Sequence

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MLRRCLISTD MHHIEESFQE IKRAIQAKDT FPNVTILSTL ETLQIIKPLD VCCVTKNLLA FYVDRVFKDH QEPNPKILRK
ISSIANSFLY MQKTLRQCQE QRQCHCRQEA TNATRVIHDN YDQLEVHAAA IKSLGELDVF LAWINKNHEV MSSA
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Source

E. coli

Purity

98%

Biological Activity

Determined by its ability to activate STAT following receptor-ligand interaction.

Endotoxin

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

Reconstitution

Centrifuge the vial prior to opening. Reconstitute in 10 mM Sodium Citrate, pH 3.0 to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Storage, Stability/Shelf Life

-20°C

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