

Recombinant Human IL19

Cat No:HR2R1561

For research use only

Overview

Quantity	1.0 ?g
Gene Symbol	IL19
Gene ID	29949
Accession	Q9UHD0
Alternative Name	Melanoma differentiation-association protein-like protein, NG.1
Species	Human
Source	E. coli
Description	IL19 belongs to the IL-10 family of proinflammatory cytokines, which is composed of IL10, IL19, IL20, IL22, IL24, and IL26. IL19 is mainly expressed in monocytes and binds to the IL20 receptor complex which leads to the activation of the signal transducer and activator of transcription 3 (STAT3). It also performs up-regulation of IL6 and TNF-alpha and apoptosis induction, thus signifying its role in inflammatory responses.
Functions	The ED50 is 0.5-1.5 ng/mL as determined by a cell proliferation assay with the use of transfected BaF3 mouse pro-B cells with human IL-20R? and human IL-20R?
Formulation	Lyophilized from a 0.2 ?m filtered solution in PBS (with BSA as a carrier protein)
Solubility	Reconstitute in sterile PBS at 10?g/mL (containing at least 0.1% human or bovine serum albumin)
Appearance	Lyophilized Powder
Molecular Weight	18
Purity	>95% as determined by SDS-PAGE
Concentration	< 1.0 EU/?g of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.