

## 32-12197: Human Interleukin-19 (AF)

**Gene :** IL19  
**Gene ID :** 29949  
**Uniprot ID :** Q9UHDO  
**Alternative Name :** Melanoma differentiation-associated protein-like protein, NG.1, ZMDA1

### Description

**Source:** Genetically modified E.coli.

**Predicted MW:** Monomer, 17.9 kDa (154 aa)

Interleukin-19 (IL-19) is a member of the interleukin 10 (IL-10) cytokine family and is produced by B cells and monocytes. IL-19 binds the interleukin 20 receptor complex (IL-20R) to activate STAT3 signaling. IL-19 induces interleukin 6 (IL-6) and tumor necrosis factor alpha (TNF- $\alpha$ ) expression in monocytes, and promotes T helper 2 (Th2) cell-mediated immune responses. IL-19 production is up-regulated in resting monocytes following granulocyte-macrophage colony-stimulating factor (GM-CSF) or lipopolysaccharide (LPS) stimulation.

### Product Info

**Amount :** 10  $\mu$ g / 100  $\mu$ g  
**Purification :** Reducing and Non-Reducing SDS PAGE at  $\geq$  95%  
**Content :** Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)  
 Sterile water at 0.1 mg/mL  
**Storage condition :** Store at -20°C  
**Amino Acid :** MLRRCLISTD MHHIEESFQE IKRAIQAKDT FPNVTILSTL ETLQIIKPLD VCCVTKNLLA FYVDRVFKDH QEPNPKILRK ISSIANSFLY MQKTLRQCQE QRQCHCRQEA TNATRVIHDN YDQLEVHAAA IKSLGELDVF LAWINKNHEV MFSA

### Application Note

**Endotoxin:** Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.

Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vial to compensate for this loss.

