

32-12149: Mouse Interleukin-5

Gene : IL5
Gene ID : 16191
Uniprot ID : P04401

Alternative Name : Cytotoxic T-lymphocyte inducer, B-cell differentiation factor I, Eosinophil differentiation factor, T-cell replacing factor, IL-5

Description

Source: Genetically modified E.coli.

Predicted MW: Dimer, 13.1/26.3 kDa (113/226 aa)

Interleukin 5 (IL-5) is a hematopoietic growth factor that is expressed in type 2 T helper (Th2) cells, mast cells, and eosinophils. IL-5 acts through the IL-5 receptor (IL-5R), stimulates B cell growth, and mediates eosinophil activation. IL-5 expression is regulated by the GATA binding protein 3 (GATA3) transcription factor. Human and mouse IL-5 show cross-reactivity.

Product Info

Amount : 25 µg / 100 µg

Purification : Reducing and Non-Reducing SDS PAGE at $\geq 95\%$

Content : Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, 50 mM sodium chloride, pH 7.5
Sterile water at 0.1 mg/mL

Storage condition : Store at -20°C

Amino Acid : MEIPMSTVVK ETLTQLSAHR ALLTSNETMR LPVPTHKNHQ LCIGEIQGL DILKNQTVRG GTVEMLFQNL SLIKKYIDRQ KEKCGEERRR TRQFLDYLQE FLGVMSTEWA MEG

Application Note

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

Biological Activity was determined by TF-1 cell proliferation at $\leq 2 \text{ ng/mL}$; $\geq 5.0 \times 10^5 \text{ units/mg}$. 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.



