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32-12149: Mouse Interleukin-5

Gene : II5 **Gene ID :** 16191 **Uniprot ID :** P04401

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

replacing factor, II-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 >= 95%

Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium

Content: phosphate, 50 mM sodium chloride, pH 7.5

Sterile water at 0.1 mg/mL

Storage condition : Store at -20°C

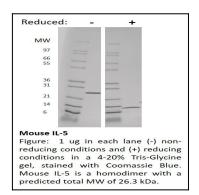
Amino Acid: MEIPMSTVVK ETLTQLSAHR ALLTSNETMR LPVPTHKNHQ LCIGEIFQGL DILKNQTVRG GTVEMLFQNL

SLIKKYIDRQ KEKCGEERRR TRQFLDYLQE FLGVMSTEWA MEG

Application Note

Endotoxin: Less than 0.1 ng/ $\tilde{A} \square \hat{A} \mu g$ (1 IEU/ $\tilde{A} \square \hat{A} \mu g$) as determined by LAL test.

Biological Activity was determined by TF-1 cell proliferationat <=2 ng/mL; >= 5.0×10^5 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\AA \Box ŰC 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 vialed to compensate for this loss.





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Mouse IL-5 Induced Proliferation of TF-1 Cells

200
180
160
140
120
100
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