

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

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32-12182: Human Interleukin-17A

Gene : IL17A **Gene ID :** 3605 **Uniprot ID :** Q16552

Alternative Name: CTLA8, IL17, Cytotoxic T-lymphocyte-associated antigen 8

Description

Source: Genetically modified E.coli.

Predicted MW: Dimer, 15.7/31.3 kDa (137/274 aa)

Interleukin 17A (IL-17A), also known as CTLA-8, is a member of the IL-17 family of proteins. IL-17A is a proinflammatory cytokine that is secreted by activated CD4+ and CD8+ T lymphocytes. IL-17A acts through its receptor, IL-17R, to promote increased cytokine and chemokine secretion. In turn, the cytokines and chemokines mediate the immunoregulatory function of IL-17A by promoting the proliferation, maturation, and chemoattraction of neutrophils to inflammatory sites. Elevated levels of IL-17A are associated with rheumatoid arthritis, airway inflammation, allograft rejection, inflammatory bowel disease, psoriasis, cancer, and multiple sclerosis. Human, mouse, and rat IL-17A show activity on mouse cells.Â

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 0.1% Trifluoroacetic

Content: Acid (TFA)

Sterile water at 0.1 mg/mL

Storage condition : Store at -20°C

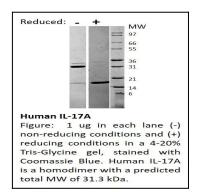
Amino Acid: MIVKAGITIP RNPGCPNSED KNFPRTVMVN LNIHNRNTNT NPKRSSDYYN RSTSPWNLHR NEDPERYPSV

IWEAKCRHLG CINADGNVDY HMNSVPIQQE ILVLRREPPH CPNSFRLEKI LVSVGCTCVT PIVHHVA

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 Production of IL-6 from mouse 3T3 cells at <=10 ng/mL; >=1.0 x 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 $-80\tilde{A}$ \square 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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Recombinant Human IL-17A Bioactivity

Assay: Production of Mouse IL-6 by NIH3T3 cells

700,00

400,00

500,00

100,00

100,00

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