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32-12201: Human Interleukin-21

Gene :	IL21
Gene ID :	59067
Uniprot ID :	Q9HBE4
Alternative Name :	Za11, Interleukin-21Â Â

Description

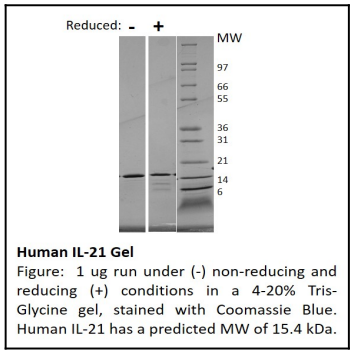
Source: Genetically modified E.coli.
Predicted MW: Monomer, 15.4 kDa (132 aa)
Interleukin 21 (IL-21) is a member of the common-gamma chain family of cytokines that are involved in immunoregulation. IL-21 is normally expressed by activated CD4+ T cells and is aberrantly expressed in Hodgkin lymphoma cells. The IL-21 receptor (IL-21R) activates the JAK/STAT signaling pathway and is expressed on T, B, and natural killer (NK) cells. Within the B cell lineage, IL-21 is a switch factor regulating IgG1 and IgG3 antibody production. IL-21 also cooperates with IL-4 for the production of multiple antibody classes in B cells. IL-21 has pleiotropic effects on the proliferation, differentiation, and effector functions of B, T, NK, and dendritic cells.

Product Info

Amount :	10 µg / 100 µg
Purification :	Reducing and Non-Reducing SDS PAGE at >= 95%
Content :	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5 Sterile water at 0.1 mg/mL
Storage condition :	Store at -20°C
Amino Acid :	MQDRHMIRMR QLIDIVDQLK NYVNDLVPEF LPAPEDVETN CEWSAFSCFQ KAQLKSANTG NNERIINVSI KKLKRKPPST NAGRRQKHRL TCPSCDSYEK KPPKEFLERF KSLLQKMIHQ HLSSRTHGSE DS

Application Note

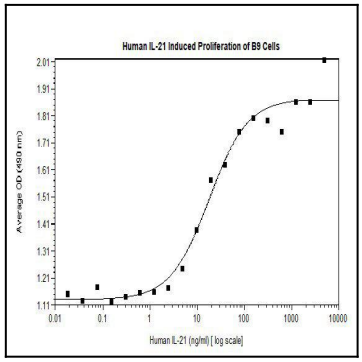
Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
Biological Activity was determined by ANBL-6 cell proliferation OR B9 cell proliferation at ED50 <= 2 ng/mL; >= 5.0 x 10^5 units/mg (typical ED50 is < 1 ng/mL) OR ED50 <= 50 ng/mL; >= 2.0 x 10^4 units/mg

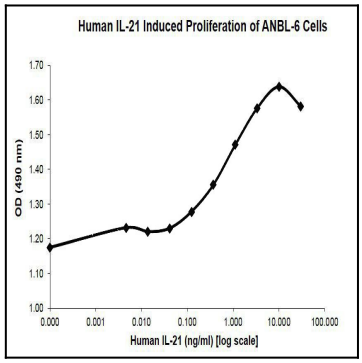


Human IL-21 Gel
Figure: 1 ug run under (-) non-reducing and reducing (+) conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human IL-21 has a predicted MW of 15.4 kDa.

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