

32-12209: Human Interleukin-33

Gene : IL33

Gene ID : 90865

Uniprot ID : O95760

Alternative Name : Interleukin-1 family member 11, Nuclear factor from high endothelial venules

Description

Source: Genetically modified E.coli.

Predicted MW: Monomer, 18.1 kDa (160 aa)

Interleukin 33 (IL-33) is a member of the IL-1 cytokine family and is constitutively expressed in smooth muscle and airway epithelial cells. IL-33 signals through the interleukin 1 receptor-like 1 (IL-1R1) and interleukin-1 receptor accessory protein (IL1RAP) receptors to activate NF- κ B and MAPK signaling pathways. IL-33 functions to induce type 2 cytokine production in polarized Type 2 helper T (Th2) cells.

Product Info

Amount : 10 μ g / 100 μ g

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, pH 7.5
Sterile water at 0.1 mg/mL

Storage condition : Store at -20°C

Amino Acid : MSITGISPIT EYLASLSTYN DQSITFALED ESYEIYVEDL KKDEKKDKVL LSYYESQHPS NESGDGVDGK
MLMVTLSPTK DFWLHANNKE HVELHKCEK PLPDQAFFVL HNMHSNCVSF ECKTDPGVFI GVKDNHLALI
KVDSSENLCT ENILFKLSET

Application Note

Endotoxin: Less than 0.1 ng/ μ g (1 IEU/ μ g) as determined by LAL test.

Biological Activity was determined by D10S cell proliferation at ≤ 500 pg/mL; $\geq 2.0 \times 10^6$ 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.



