

## 32-12210: Mouse Interleukin-33

**Gene :** IL33  
**Gene ID :** 77125  
**Uniprot ID :** Q8BVZ5

### Description

**Source:** Genetically modified E.coli.

**Predicted MW:** Monomer, 17.7 kDa (159 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-κB 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 µg / 100 µg  
**Purification :** Reducing and Non-Reducing SDS PAGE at ≥ 90%  
**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 :** MSIQGTSLLT QSPASLSTYN DQSVSFVLEN GCVINVDDSGKDQEQDQVL LRYYESPCPA SQSGDGVGDK  
KLMVNMSPK DTDIWLHAND KDYSVELQRG DVSPPEQAFF VLHKKSSDFV SFECKNLPGT YIGVKDNQLA  
LVEEKDESCN NIMFKLSKI

### Application Note

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

Biological Activity was determined by D10S cell proliferation at ≤ 2 ng/mL; ≥ 5.0 × 10<sup>5</sup> units/mg (typical ED50 is < 1 ng/mL). 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.



