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# 32-12209: Human Interleukin-33

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|---|---|
| **Gene :** | IL33 |
| **Gene ID :** | 90865 |
| **Uniprot ID :** | O95760 |
| **Alternative Name :** | Interleukin-1 family member 11, Nuclear factor from high endothelial venules |

## Description

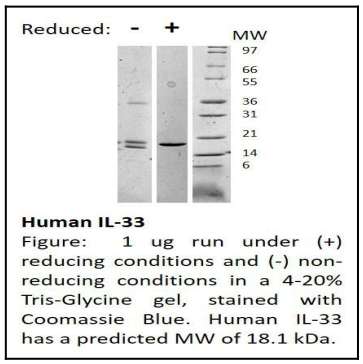
**Source:** Genetically modified E.coli.
**Predicted MW:**Â Monomer, 18.1 kDa (160 aa)
Interleukin 33 (IL-33) is a member of the IL-1 cytokine family and is constitutively expressed in smooth muscle and airway epithelial cells. IL-33 signals through the interleukin 1 receptor-like 1 (IL-1R1) and interleukin-1 receptor accessory protein (IL1RAP) receptors to ativate NF-kB and MAPK signaling pathways. IL-33 functions to induce type 2 cytokine production in polarized Type 2 helper T (Th2) cells.

## Product Info

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| **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<br>Sterile water at 0.1 mg/mL |
| **Storage condition :** | Store at -20°C |
| **Amino Acid :** | MSITGISPIT EYLASLSTYN DQSITFALED ESYEIYVEDL KKDEKKDKVL LSYYESQHPS NESGDGVDGK MLMVTLSPTK DFWLHANNKE HSVELHKCEK PLPDQAFFVL HNMHSNCVSF ECKTDPGVFI GVKDNHLALI KVDSSENLCT ENILFKLSET |

## Application Note

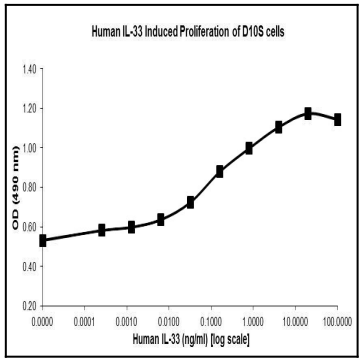
**Endotoxin:** Less than 0.1 ng/ÃÂµg (1 IEU/ÃÂµg) as determined by LAL test.
Biological Activity was determined by D10S cell proliferation at <=500 pg/mL; >= 2.0 x 10^6 units/mg ÃÂ . Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides 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 -80ÃÂ°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 vialed to compensate for this loss.




**Human IL-33**
Figure: 1 ug run under (+) reducing conditions and (-) non-reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human IL-33 has a predicted MW of 18.1 kDa.

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***

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