9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-12210: Mouse Interleukin-33

Gene : Il33
Gene ID : 77125
Uniprot ID : Q8BVZ5

Description

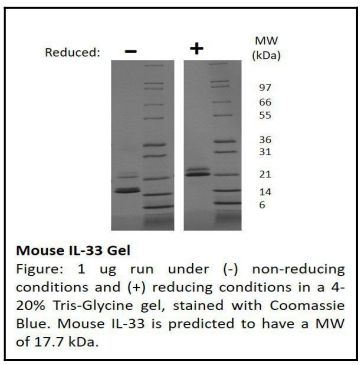
Source: Genetically modified E.coli.
Predicted MW:Â Monomer, 17.7 kDa (159 aa)
Interleukin 33 (IL-33) is a member of the IL-1 cytokine family and is constitutively expressed in smooth muscle and airway epithelial cells. Â IL-33 signals through the interleukin 1 receptor-like 1 (IL-1R1) and interleukin-1 receptor accessory protein (IL1RAP) receptors to ativate NF-kB and MAPK signaling pathways. Â IL-33 functions to induce type 2 cytokine production in polarized Type 2 helper T (Th2) cells. Â

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 GCYVINVDDS GKDQEQDQVL LRYYESPCPA SQSGDGVDGK KLMVNMSPIK DTDIWLHAND KDYSVELQRG DVSPPEQAFF VLHKKSSDFV SFECKNLPGT YIGVKDNQLA LVEEKDESCN NIMFKLSKI

Application Note

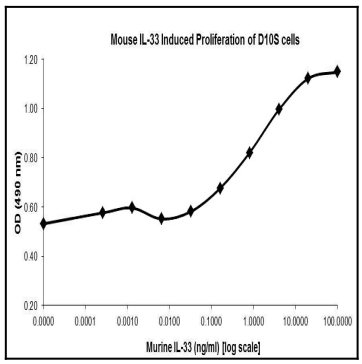
Endotoxin: Less than 0.1 ng/Ã□Âµg (1 IEU/Ã□Âµg) as determined by LAL test.
Biological Activity was determined by D10S cell proliferation at <=2 ng/mL; >= 5.0 x 10^5 units/mg (typical ED50 is < 1 ng/mL). Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution 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 -80Ã□Â°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.



Mouse IL-33 Gel
Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Mouse IL-33 is predicted to have a MW of 17.7 kDa.

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

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