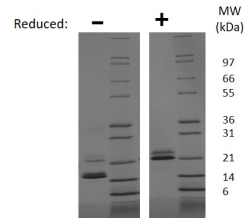


II33

Recombinant Mouse Interleukin-33

Catalog No.	CSI20129A CSI20129B CSI20129C	Quantity:	2 µg 10 µg 1.0 mg
Alternate Names:	IL-33, NP-HEV, IL-1F11, DVS27-related protein, interleukin-1 family member 11, nuclear factor from high endothelial venules		
Description:	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.		
Gene ID:	77125		
UniProt ID:	Q8BVZ5		
Source:	<i>E. coli</i>		
Molecular Weight:	17.7 kDa (159 aa)		
Formulation:	Lyophilized from a 0.2 µm filtered solution of 10 mM sodium phosphate, pH 7.5.		
Purity:	≥ 90% by reducing and non-reducing SDS-PAGE		
Endotoxin Level:	≤ 1EU/µg by kinetic LAL		
Biological Activity:	ED ₅₀ ≤ 2 ng/ml, determined by proliferation of murine D10S cells.		
Specific Activity:	≥ 5 x 10 ⁵ units/mg		
Amino Acid Sequence:	MSIQGTSLLTQ SPASLSTYND QSVSFVLENG CYVINVDDSG KDQEQQVLL RYYESPCPAS QSGDGVGK LMVNMSPKDIWLHANDK DYSVELQRGD VSPPEQAFFV LHKKSSDFVS FECKNLPGTY IGVKDNQLAL VEEKDESCNN IMFKLSKI		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipet the solution up and down the sides of the vial. DO NOT VORTEX. Allow several minutes for reconstitution. A small amount of precipitate may be seen.		
Storage & Stability:	This lyophilized preparation is stable at 2-8°C for shipping purposes, and stable at -20°C to -80°C for 1 year. Upon reconstitution, the preparation is stable for up to 1 month at 2-8°C, 3 months at -20°C to -80°C. For maximal stability, prepare working aliquots and store at -20°C to -80°C. Avoid repeated freeze/thaw cycles.		





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.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com