
Product Data Sheet

Product Name: IL 33 Mouse

Cat. No.: GP20647

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Interleukin 33; DVS27; NF-HEV; NKHEV; C9orf26; Interleukin-1 family member 11; IL- 1F11; Nuclear factor from high endothelial venules; IL-33; I11f11; 9230117N10Rik; I133.		
Amino Acid Sequence	MSIQGTSLLT QSPASLSTYN DQSVSFVLEN GCYVINVDDS GKDQEQDQVL LRYYESPCPA SQSGDGDVDGK KLMVMNSPIK DTDIWLHAND KDYSVELQRG DVSPPEQAFF VLHKKSSDFV SFECKNLPGT YIGVKDNQLA LVEEKDESCN NIMFKLSKI.		
Solubility	It is recommended to reconstitute the lyophilized IL-33 in sterile 18MΩ-cm H ₂ O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	The Mouse IL-33 was lyophilized from a sterile 0.2 micron filtered aqueous solution containing 10mM sodium phosphate, pH 7.5.		

Introduction

Interleukin 33 (IL-33) is a 32kDa proinflammatory cytokine that may also regulate gene transcription in producer cells. IL-33 is structurally related to IL-1, which induces helper T cells to produce type 2 cytokines and acts through the receptor IL1RL-1 (IL1 receptor-like-1), which is known also as ST2. Binding of IL-33 to this receptor activates NF-kappa-B and MAP kinases and induces in vitro Th2 cells to produce cytokines. In vivo, IL-33 induces expression of IL-4, IL-5, IL-13 and leads to severe pathological changes in mucosal organs and in vitro, it can be divided to N-terminal fragment of 12kDa and C-terminal fragment of 18kDa by cleavage of caspase-1.

Biological Activity

The ED50 as determined by the dose-dependent stimulation of the proliferation of

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

murine D10S cells is 0.04ng/ml, corresponding to a specific activity of 2.5×10^7 units/mg.

Stability

Lyophilized IL-33 Recombinant although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution IL-33 should be stored at 4°C between 2-7 days and for future use below -18°C . Please prevent freeze-thaw cycles.

Background

Interleukin33 Mouse recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 159 amino acids and having a molecular mass of 17.7 kDa.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA