

重组小鼠白介素33(IL-33)

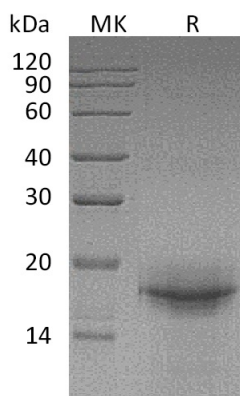
IL-33, Recombinant Mouse Interleukin-33)

Cat. No.: MA1414-1 Size: 10µg

Source:	E.coli
Description:	Recombinant Mouse Interleukin-33 is produced by our E.coli expression system and the target gene encoding Ser109-Ile266 is expressed.
Accession:	Q8BVZ5
Known As:	Interleukin 33; IL-33; IL33; C9orf26; NKHEV; Interleukin-1 family member 11; DVS27; NF-HEV and IL- 1F11
Predicted Mol Mass:	17.6 KDa
Apparent Mol Mass:	18 KDa, reducing conditions
Endotoxin:	< 0.01 EU/µg as determined by LAL test.
Formulation:	Lyophilized from a 0.2 µm filtered solution of PBS, 1mM DTT, pH 7.4.
Reconstitution:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping:	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage:	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Background:	Mouse Interleukin 33 (IL-33) is a 30 kDa proinflammatory cytokine which may also regulates gene transcription in producer cells. IL-33 is constitutively expressed in smooth muscle and airway epithelia. IL-33 was identified based on sequence and structural homology with IL-1 family cytokines. It is up-regulated in arterial smooth muscle, dermal fibroblasts, and keratinocytes following IL-1 alpha or IL-1 beta stimulation. IL-33 is structurally related to IL-1, which induces helper T cells to produce type 2 cytokines and acts through the receptor IL1RL1. Binding 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 the expression of IL-4, IL-5, IL-13 and also leads to severe pathological changes in mucosal organs.

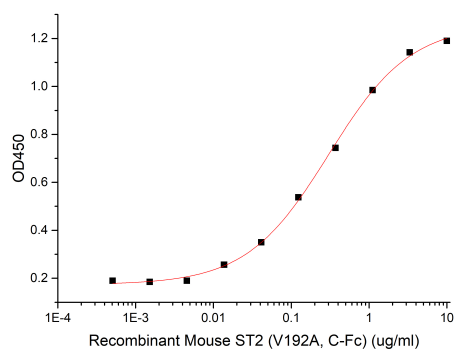


Purity-SDS-PAGE:



Greater than 95% as determined by reducing SDS-PAGE.

Bioactivity-ELISA:



Immobilized Mouse IL-33(Cat#MA1414) at 5µg/ml (100 µl/well)
can bind Mouse ST2-Fc. The ED50 of Mouse ST2-Fc is 0.33 ug/ml.

S250101

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