#### **RMCM030**

Recombinant IL-33 (Interleukin-33), Mouse, AF



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# Synonym/Alternative name(s): IL-1 F11, NF-HEV, 9230117N10Rik

#### Activity:

Measure by its ability to induce proliferation in D10.G4.1 cells.

The ED50 for this effect is <40 pg/mL.

☐ 5ug;20ug;100ug;500ug;

The specific activity of recombinant mouse IL-33 is  $> 2 \times 107$  IU/mg.

### **Protein Description:**

Interleukin 33 (IL-33) is a member of the IL-1 family that potently drives production of T helper-2 (Th2)-associated cytokines (e.g., IL-4). IL33 is a ligand for ST2 (IL1RL1), an IL-1 family receptor that is highly expressed on Th2 cells, mast cells and group 2 innate lymphocytes. It is expressed by a wide variety of cell types, including fibroblasts, mast cells, dendritic cells, macrophages, osteoblasts, endothelial cells, and epithelial cells.

Protein Accession: Q8BVZ5.1

Gene ID: 77125

## **Expression Sequence:**

MSIQGTSLLTQSPASLSTYNDQSVSFVLENGCYVINVDDSGKDQEQDQVLLRYYESPCPASQSGDGVDGKKLMVNMSPIKDTDIWLHA NDKDYSVELQRGDVSPPEQAFFVLHKKSSDFVSFECKNLPGTYIGVKDNQLALVEEKDESCNNIMFKLSKI with polyhistidine tag at the C-terminus.

Fusion tag: His-tag?at?the?C-terminus

**Species**: Mouse **Reactivity**: Mouse

**Expression Host:** Escherichia coli

Source : E. coli
Purity/method:

>98% as determined by SDS-PAGE. Ni-NTA chromatography

#### **Endotoxin level:**

<0.1 EU per 1  $\mu$ g of the protein by the LAL method.

Calculated Molecular Weight: 18.51 kDa

#### Formulation:

The protein was lyophilized from a solution containing 1X PBS, pH 7.4.

#### Reconstitution:

It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100  $\mu$ g/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping: Blue Ice

## Stability and Storage:

Lyophilized protein should be stored at -20°C for 1 year.

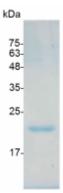
Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

Category: Cytokines

**Application:** Cell culture, Elisa

# Image:



SDS- PAGE analysis of recombinant mouse IL-33