

RMCH038

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



5ug;20ug;100ug;500ug;

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Synonym/Alternative name(s) : IL-1 F11, NF-HEV, DVS27

Activity:

Measure by its ability to binding with recombinant ST2L (IL-33 receptor).

The ED50 for this effect is <54 ng/mL.

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

The ED50 for this effect is < 0.1 ng/mL.

The specific activity of recombinant human IL-33 is approximately >4 x10⁷ 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 : O95760.1

Gene ID : 90865

Expression Sequence:

MSITGISPITEYLASLSTYNDQSITFALEDESYEIYVEDLKKDEKKDKVLLSYYESQHPNESGVDGKMLMVTLSPTKDFWLHANNKEH SVELHKCEKPLPDQAFFVLHNMHSNCVSECKTDPGVFIGVKDNHLALIKVDSSENLCTENILFKLSET with polyhistidine tag at the C-terminus.

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

Species : Human

Reactivity : Human

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 µg of the protein by the LAL method.

Calculated Molecular Weight : 18.93 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 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping : Blue Ice

Stability and Storage:

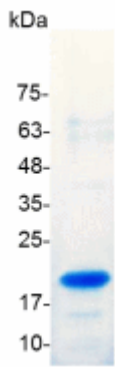
Lyophilized protein should be stored at -20°C for 1 year.

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 human IL-33