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# Human IL-33
**Catalog # PBG10527**

## Specification

### Human IL-33 - Product Information

### Human IL-33 - Additional Information

**Description**
Human IL-33 is a proinflammatory protein that shares structural and functional characteristics with the IL-1 cytokine family. It binds and signals through the IL-1RL1/ST2 receptor activating NF-kappaB and MAP kinases. IL-33 induces production of TH2 cell related cytokines, including IL-4, IL-5 and IL-13, and exerts multiple inflammation related bioactivities. Recombinant human IL-33 is a 17.9 kDa protein containing 159 amino acid residues.

**BiologicalActivity**
The ED<sub>50</sub> was determined by the dose-dependent stimulation of the proliferation of murine D10S cells is ≤ 0.05 ng/ml, corresponding to a specific activity of ≥ 2 x 10<sup>7</sup>units/mg.

**Authenticity**
Verified by N-terminal and Mass Spectrometry analyses (when applicable).

**Endotoxin**
Endotoxin level is <0.1 ng/ µg of protein (<1EU/ µg).

**Protein Content**
Verified by UV Spectroscopy and/or SDS-PAGE gel.

**Storage**
-20°C

**Precautions**
Human IL-33 is for research use only and not for use in diagnostic or therapeutic procedures.

### Human IL-33 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

### Human IL-33 - Images

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