

AG-40B-0038AA

29-Oct-2010

IL-33 (human) (rec.) (untagged) (BULK)

[Interleukin-33; IL-1F11; NF-HEV]

AG-40B-0038AA-C500 500 µg

Source/Host E. coli
MW ~18kDa
Sequence Human IL-33 (aa 112-270) is untagged.

Handling / Storage

Shipping DRY ICE
Short Term Storage -20°C
Long Term Storage -20°C

After opening, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles. PBS containing at least 0.1% BSA should be used for further dilutions.

Use / Stability

Stable for at least 6 months after receipt when stored at -20°C.

MSDS available at www.adipogen.com or upon request.

Product Specifications

Specificity Binds to human ST2.
Biological Activity Activates human ST2-dependent NF-κB pathway. Does not activate mouse ST2-dependent NF-κB.
Purity ≥95% (SDS-PAGE)
Formulation Frozen liquid. Contains PBS.
Concentration Please inquire.
Endotoxin Content <0.1EU/µg purified protein (LAL test; Lonza).

Other Product Data

UniProt link Q2YEJ5: [Interleukin-33 \(human\)](#)

WARNING: Intended for research use only. This product is not intended or approved for human, diagnostics, therapeutic or veterinary use. Use of this product for human or animal testing is extremely hazardous and may result in disease, severe injury, or death. **MATERIAL SAFETY DATA:** Review the complete Material Safety Data Sheet before use.

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For Local Distributors please visit
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Product Description

Interleukin-33 (IL-33; HF-NEV; IL-1F11), a member of the IL-1 family of cytokines, is expressed by many cell types following pro-inflammatory stimulation and is thought to be released upon cell lysis. IL33 binds to and signals through ST2 (IL1R1) and its stimulation recruits MYD88, IRAK, IRAK4, and TRAF6, followed by phosphorylation of ERK1(MAPK3)/ERK2(MAPK1), p38(MAPK14), and JNK. The ability of IL-33 to target numerous immune cell types, like Th2-like cells, mast cells, and B1 cells, and to induce cytokine and chemokine production underlines its potential in influencing the outcome of a wide range of diseases, such as arthritis, asthma, atopic allergy & anaphylaxis, cardiovascular disease/atherosclerosis, nervous system diseases, and sepsis.

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