

Product datasheet for **TA337187**

IL33 Mouse Monoclonal Antibody [Clone ID: 6H496]

Product data:

Product Type:	Primary Antibodies
Clone Name:	6H496
Applications:	WB
Recommended Dilution:	WB: 1-10 ug/ml
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Immunogen:	A partial recombinant human IL-33 (amino acids 112-270) protein was used as immunogen for this antibody.
Formulation:	PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C. Do not freeze.
Concentration:	lot specific
Purification:	Protein G purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	interleukin 33
Database Link:	NP_254274 Entrez Gene 90865 Human O95760



[View online »](#)

Background:

IL-33 is a 270 amino acid highly divergent protein belonging to the IL-1 family with an IL-1-like C-terminal domain. It is a dual function protein that may function both as a proinflammatory cytokine and an intracellular nuclear factor with transcriptional regulatory properties. IL-33 binds to and signals through IL1RL1/ST2 and its stimulation recruits MYD88, IRAK1, IRAK4, and TRAF6. IL-33 activates NF-kappaB and MAP kinases, and drives production of TH2-associated cytokines from in vitro polarized TH2 cells. In vivo, IL-33 induces the expression of IL-4, IL-5, and IL-13 and leads to severe pathological changes in mucosal organs. It is proteolytically converted to a mature form by CASP1 and is highly expressed in high endothelial venules found in tonsils, Peyer's patches and mesenteric lymph nodes and is almost undetectable in placenta.

Synonyms:

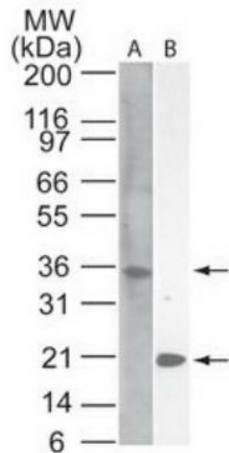
C9orf26; DVS27; IL1F11; NF-HEV; NFEHEV

Protein Families:

Secreted Protein

Protein Pathways:

Cytosolic DNA-sensing pathway

Product images:

Western Blot: IL33 Antibody (6H496) TA337187 - Analysis of IL-33 using IL-33 monoclonal antibody in A. HUVEC cell lysate at 10 ug/ml and B. partial recombinant IL-33 (amino acids 112-270) at 1 ug/ml. Goat anti-mouse Ig HRP secondary antibody.