

Product datasheet for **AM09020PU-S**

IL33 Mouse Monoclonal Antibody [Clone ID: 4E9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	4E9
Applications:	ELISA, WB
Recommended Dilution:	ELISA. Western blot (1:500 - 1:2,000).
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Recombinant human IL-33 (112-270 aa) purified from E. coli
Specificity:	The antibody recognizes human IL-33. Other species not tested.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-G affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	interleukin 33
Database Link:	Entrez Gene 90865 Human O95760



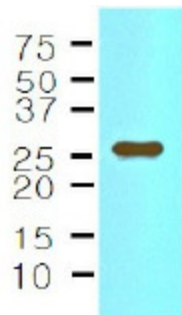
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Background:

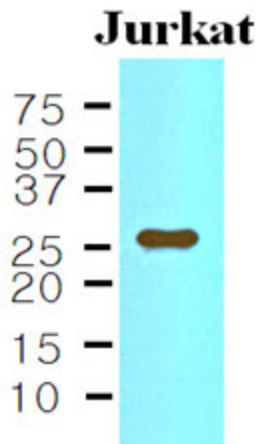
Interleukin 33 (IL-33) is a 32 kDa proinflammatory cytokine and intracellular nuclear factor with transcriptional regulatory properties. IL-33 is structurally related to IL-1, which induces helper T-cells to produce type 2 cytokines and acts through the receptor IL1RL-1 (IL1 receptor-like-1), which is known also as ST2. Binding of IL-33 to this receptor activates NF-kappa-B and MAP kinases and induces in vitro Th2 cells to produce cytokines. In vivo, IL-33 induces expression of IL-4, IL-5, IL-13 and leads to severe pathological changes in mucosal organs and in vitro, it can be divided to N-terminal fragment of 12 kDa and C-terminal fragment of 18kDa by cleavage of caspase-1.

Synonyms:

IL-33, IL1F11, IL-1F11, NFHEV, NF-HEV, C9orf26

Product images:

The Cell lysates of Jurkat (35ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human IL-33 (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



Western blot analysis on Jurkat cells: The Cell lysates of Jurkat (35 ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human IL-33 (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.