



IL-33 Antibody (biotin)

CATALOG NUMBER: 36-248

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	ELISA, IHC, WB
APPLICATIONS:	Western Blot: (1:500 - 1:1000). Optimal conditions must be determined individually for each application.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	Recognizes human IL-33. Detects a band of ~18kDa by Western blot.
IMMUNOGEN:	Recombinant human IL-33.
HOST SPECIES:	Rabbit

Properties

PHYSICAL STATE:	Liquid
BUFFER:	Liquid. 0.2um-filtered solution in PBS, pH 7.4. Contains no preservatives.
CONCENTRATION:	1 mg/ml
STORAGE CONDITIONS:	Stable for at least 6 months after receipt when stored at -20°C.
CLONALITY:	Polyclonal
CONJUGATE:	Biotin

Additional Info

ALTERNATE NAMES:	Interleukin-33; IL-1F11; NF-HEV
ACCESSION NO.:	NP_254274
PROTEIN GI NO.:	15559209
OFFICIAL SYMBOL:	IL33
GENE ID:	90865

Background

BACKGROUND:	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 on cell lysis. The 30kDa human IL33 is converted by CASP1 to a 18kDa protein. 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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