

Mouse anti-Human IL-33 Monoclonal Antibody | anti-IL-33 antibody

IL-33

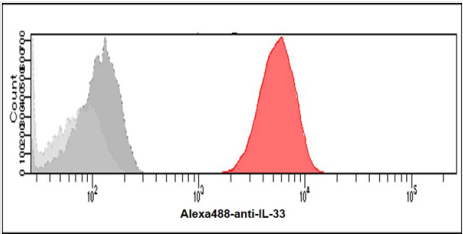
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48330	Mouse	Human	Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

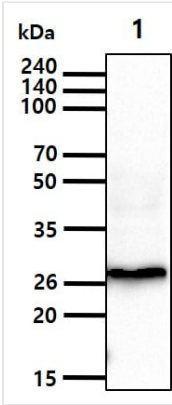
IL-33; Monoclonal Antibody; Interleukin 33; DVS27; NF-HEV; NKHEV; C9orf26; Interleukin 33 CHROMOSOME 9 OPEN READING FRAME 26; DKFZp586H0523; DVS27 related protein; IL 1F11; IL 33; IL1F11; Interleukin 1 family member 11; INTERLEuKIN 33 NFHEV; Interleukin 33 precursor; Interleukin33; NF HEV; NFHEV; Nuclear factor from high endothelial venules; RP11 575C20.2; il33; anti-IL-33 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b kappa
Clone Number	4E9
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	270
Applicable Applications for anti-IL-33 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human IL-33 (112-270aa) purified from E. coli
Conjugation	Unconjugated
Note	This product was produced from tissue culture supernatant.
Preparation and Storage	Can be stored at 2 degree C to 8 degree C for 1 week. For long term storage, aliquot and store at -20 degree C to -80 degree C. Avoid repeated freezing and thawing cycles.



FCM/FACS (Flow Cytometry)
Flow cytometry analysis of IL-33 in Jurkat cells. The cell was stained at 2-5ug for 1x10⁶cells (red). A Goat anti mouse IgG (Alexa fluor 488) was used as the secondary antibody. Mouse monoclonal IgG was used as the isotype control (dark gray), cells without incubation with primary and secondary antibody was used as the negative control (light gray).



WB (Western Blot)
The cell lysate(40ug) was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human IL-33 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: 293T cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-IL-33 antibody	Interleukin 33 (IL-33) is a 32kDa 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 12kDa and C-terminal fragment of 18kDa by cleavage of caspase-1.
Product Categories/Family for anti-IL-33 antibody	Cardiovascular; Immunology
References	Brint Ek, et al., (2005) J Biol Chem. 20:277(51).; Schmitz, et al., (2005) immunity. 23:479.; Baekkevold ES, et al., (2003) Am.J.Pathol. 163(1):69-90.

NCBI AND UNIPROT INFORMATION

NCBI GI #	15559209
NCBI GeneID	90865
NCBI Accession #	NP_254274
NCBI GenBank Nucleotide #	NP_254274.1
UniProt Accession #	O95760
NCBI Official Full Name	interleukin-33 isoform a
NCBI Official Synonym Full Names	interleukin 33
NCBI Official Symbol	IL33
NCBI Official Synonym Symbols	DVS27; IL1F11; NF-HEV; NFEHEV; C9orf26
NCBI Protein Information	interleukin-33
UniProt Protein Name	Interleukin-33
UniProt Gene Name	IL33
UniProt Synonym Gene Names	C9orf26; IL1F11; NFEHEV; IL-33; IL-1F11; NF-HEV
UniProt Entry Name	IL33_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/il-33-antibody-clone-4e9-flow-cytometry-western-blot-elisa/48330>