

Mouse IL-33 ELISA Kit | IL33 elisa kit

Mouse IL-33 PicoKine ELISA Kit

CATALOG #
AAA45582

REACTIVITY
Mouse

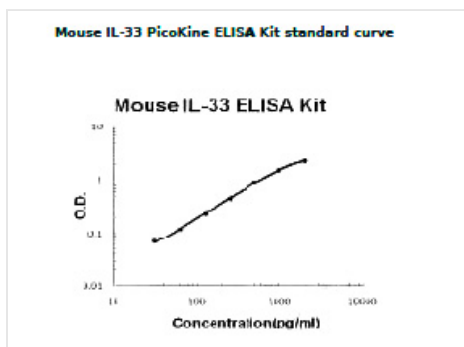
PRODUCT SYNONYMS

IL-33; Mouse IL-33 PicoKine ELISA Kit; Interleukin-33; interleukin 33; C9orf26; DVS27; DVS27 related protein; IL-1F11; IL1F11; IL33; IL33_HUMAN; Interleukin-1 family member 11; NF-HEV; NFEHEV; Nuclear factor from high endothelial venules; RP11-575C20.2; IL33 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse IL33
Sequence Length	266
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, edta)
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL33 elisa kit

Principle of the Assay: The Picokine™ Mouse IL33 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Mouse IL33 with a 96-well strip plate that is pre-coated with antibody specific for IL33. The detection antibody is a biotinylated antibody specific for IL33. The capture antibody is polyclonal antibody from goat, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Mouse IL33 with immunogen: Expression system for standard: E.coli; Immunogen sequence: S109-I266. The kit is analytically validated with ready-to-use reagents. To measure Mouse IL33, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The density of the yellow product is linearly proportional to Mouse IL33 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse IL33 in the sample.

Background/Introduction: Interleukin 33 (IL-33) is a cytokine belonging to the IL-1 superfamily. By genomic sequence analysis, the IL33 gene is mapped to chromosome 9p24.1 and its mouse homolog to a syntenic region on chromosome 19qC1. The induction of type 2 cytokines by IL-33 in vivo is believed to induce the severe pathological changes observed in mucosal organs following administration of IL-33. IL33, an alarmin released from necrotic cells, is necessary for potent CD8 + T cell (CTL) responses to replicating, prototypic RNA, and DNA viruses in mice. IL33 prevented the downregulation of CXCR2 and inhibition of chemotaxis induced by activation of TLR4, and found that IL33 reverses the TLR4-induced reduction of CXCR2 expression via the inhibition of expression of GRK2.

NCBI AND UNIPROT INFORMATION

NCBI GI #	68565902
NCBI GeneID	77125
UniProt Accession #	Q8BVZ5 ; Q2YEJ4 ; Q3TQN0 ; Q99L46
Molecular Weight	29,991 Da
NCBI Official Full Name	Interleukin-33
NCBI Official Synonym Full Names	interleukin 33
NCBI Official Symbol	IL33
NCBI Official Synonym Symbols	IL-33; IL1f11; NF-HEV; 9230117N10Rik
NCBI Protein Information	interleukin-33; nuclear factor from high endothelial venules
UniProt Protein Name	Interleukin-33
UniProt Gene Name	IL33
UniProt Synonym Gene Names	IL-33
UniProt Entry Name	IL33_MOUSE

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://stage.aaabiotech.com/il33-mouse-elisa-kits/il-33/45582>