

Mouse IL-33 ELISA Kit | IL33 elisa kit

Mouse IL-33 ELISA Kit

CATALOG # AAA106018	REACTIVITY Mouse	APPLICATIONS ELISA
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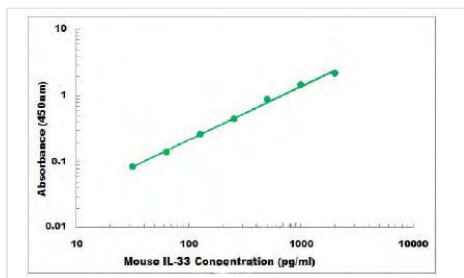
PRODUCT SYNONYMS

IL-33; Mouse IL-33 ELISA Kit; C9orf26; IL1F11; NFHEV; Interleukin-33; Interleukin-1 family member 11; IL-1F11; Nuclear factor from high endothelial venules; NF-HEV; IL33 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The Mouse IL-33 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Mouse IL-33 proteins within the range of 31.2 pg/ml - 2000 pg/ml.
Sequence Length	266
Samples	Cell Culture Supernatants, Serum, Plasma.
Sensitivity	Typically less than 10 pg/ml.
Applicable Applications for IL33 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL33 elisa kit	Principle of the Assay: The Mouse IL-33 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Mouse IL-33 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Mouse IL-33 coated on a 96-well plate. Standards and samples are pipetted into the wells and IL-33 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Mouse IL-33 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of IL-33 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	257900495
NCBI GeneID	77125
NCBI Accession #	NP_001158196.1
NCBI GenBank Nucleotide #	NM_001164724.1
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.