

## Mouse IL-33 ELISA Kit | IL33 elisa kit

Mouse IL-33 ELISA Kit

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| CATALOG #<br><b>AAA106018</b> | REACTIVITY<br><b>Mouse</b> | APPLICATIONS<br><b>ELISA</b> |
|-------------------------------|----------------------------|------------------------------|

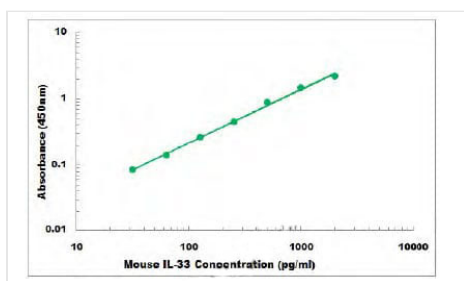
### PRODUCT SYNONYMS

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

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| Related Product Information for IL33 elisa kit | <p>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.</p> <p>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.</p> |
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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.