

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

Mouse Interleukin 33 ELISA Kit

CATALOG #  
**AAA101563**

REACTIVITY  
**Mouse**

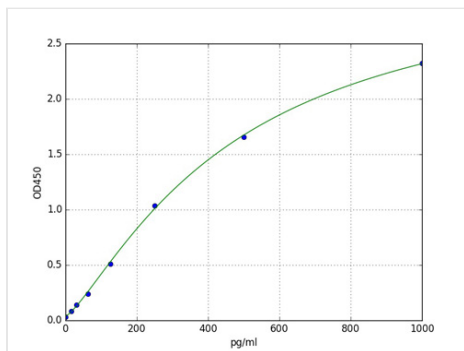
### PRODUCT SYNONYMS

Interleukin 33; Mouse Interleukin 33 ELISA Kit; IL-33/C9orf26/DVS27/NF-HEV/chromosome 9 open reading frame 26 (NF-HEV)/DKFZp586H0523/DVS27-related protein/IL1F11/IL-1F11/IL-33/interleukin 33/Interleukin-1 family member 11/interleukin-33/NFHEV/NF-HEVNFEHEV/Nuclear factor from high endothelial venules/RP11-575C20.2; IL-33 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                        |
| Sequence Length         | 144                                                                                                                                                          |
| Assay Type              | Sandwich ELISA, Double Antibody                                                                                                                              |
| Samples                 | Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples                                                                         |
| Detection Range         | 15.625-1000pg/ml                                                                                                                                             |
| Sensitivity             | 9.375pg/ml                                                                                                                                                   |
| Preparation and Storage | Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C |

### IMAGES



Standard Curve (Sample)

#### Typical Data & Standard Curve

Results of a typical standard run of a Mouse IL-33 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

| X | pg/ml | 0     | 15.6  | 31.2  | 62.5  | 125   | 250   | 500   | 1000  |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Y | OD450 | 0.099 | 0.163 | 0.220 | 0.269 | 0.379 | 0.716 | 1.336 | 2.390 |

Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for IL-33 elisa kit

**Principle of the Assay**||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Mouse IL-33 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Mouse IL-33 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Mouse IL-33 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Mouse IL-33 can be calculated.

NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 314122337                                      |
| NCBI GeneID                      | 90865                                          |
| NCBI Accession #                 | NP_001186570.1                                 |
| NCBI GenBank Nucleotide #        | NM_001199641.1                                 |
| Molecular Weight                 | 16,250 Da                                      |
| NCBI Official Full Name          | interleukin-33 isoform c                       |
| 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; NFHEV; 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/il-33-mouse-elisa-kits/interleukin-33/101563>