

## Mouse Interleukin 33/ST2 ELISA Kit | IL-33/ST2 elisa kit

Mouse Interleukin 33/ST2 ELISA Kit

CATALOG #  
**AAA82465**

REACTIVITY  
**Mouse**

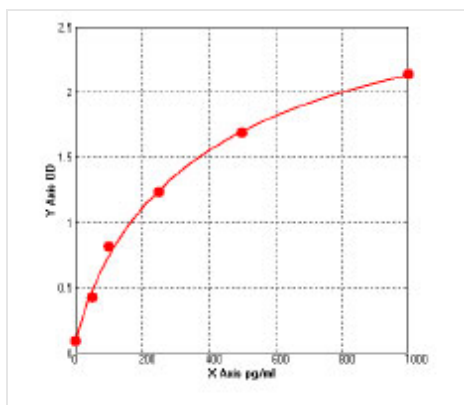
### PRODUCT SYNONYMS

Interleukin 33/ST2; Mouse Interleukin 33/ST2 ELISA Kit; Mouse Interleukin 33/ST2ELISA Kit; Interleukin 33/ST2 ELISA Kit (Mouse); IL-33/ST2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                      |
| Samples                 | Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate |
| Assay Type              | Quantitative Competitive                                                   |
| Sensitivity             | 1.0 pg/mL.                                                                 |
| Preparation and Storage | Store all reagents at 2-8 degree C                                         |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for IL-33/ST2 elisa kit

**Intended Uses:** This IL-33 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rabbit IL-33. This ELISA kit for research use only!

**Principle of the Assay:** IL-33 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-IL-33 antibody and an IL-33-HRP conjugate. The assay sample and buffer are incubated together with IL-33-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the IL-33 concentration since IL-33 from samples and IL-33-HRP conjugate compete for the anti-IL-33 antibody binding site. Since the number of sites is limited, as more sites are occupied by IL-33 from the sample, fewer sites are left to bind IL-33-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IL-33 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                      |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 314122337                                                                                                                                                                                            |
| NCBI GeneID                      | 90865                                                                                                                                                                                                |
| NCBI Accession #                 | NP_001186570.1                                                                                                                                                                                       |
| NCBI GenBank Nucleotide #        | NM_001199641.1                                                                                                                                                                                       |
| UniProt Accession #              | O95760; Q2YEJ5; D3DRI5                                                                                                                                                                               |
| Molecular Weight                 | 30,759 Da                                                                                                                                                                                            |
| NCBI Official Full Name          | interleukin-33 isoform 3                                                                                                                                                                             |
| NCBI Official Synonym Full Names | interleukin 33                                                                                                                                                                                       |
| NCBI Official Symbol             | IL33                                                                                                                                                                                                 |
| NCBI Official Synonym Symbols    | DVS27; IL1F11; NF-HEV; NFEHEV; C9orf26; DKFZp586H0523; RP11-575C20.2                                                                                                                                 |
| NCBI Protein Information         | interleukin-33; IL-33; IL-1F11; OTTHUMP00000021041; DVS27-related protein; interleukin-1 family member 11; nuclear factor for high endothelial venules; nuclear factor from high endothelial venules |
| UniProt Protein Name             | Interleukin-33                                                                                                                                                                                       |
| UniProt Gene Name                | IL33                                                                                                                                                                                                 |
| UniProt Synonym Gene Names       | C9orf26; IL1F11; NFHEV                                                                                                                                                                               |
| 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.