

Datasheet for ABIN2703232

IL-33 ELISA Kit[Go to Product page](#)**1** Image**2** Publications

Overview

Quantity: 96 tests

Target: IL-33 (IL33)

Reactivity: Mouse

Method Type: Sandwich ELISA

Detection Range: 2-500 pg/mL

Minimum Detection Limit: 2 pg/mL

Application: ELISA

Product Details

Purpose: Mouse IL-33 (IL-1 F11) ELISA Kit for cell culture supernatants, plasma, and serum samples.

Sample Type: Cell Culture Supernatant, Plasma, Serum

Analytical Method: Quantitative

Detection Method: Colorimetric

Specificity: Cross Reactivity: This ELISA kit shows no cross-reactivity with the following cytokines tested: Mouse B7-1, BAFF R, BTC, C5a, CCL6, CD48, CD6, Chemerin, Clusterin, CXCL15, Cystatin C, DAN, DLL4, EDAR, Endocan, Fetuin A, IL-7 R alpha, Kremen-1, Limitin, Lipocalin-2, LOX-1, Marapsin, MBL-2, Meteorin, Nope, NOV, Osteoactivin, OX40, Ligand, P-Cadherin, Periostin, PIGF-2, Progranulin, Prostatin, Renin 1, Testican 3, TIM-1, TRAIL, Tryptase epsilon

Sensitivity: 2 pg/mL

Characteristics:

- Strip plates and additional reagents allow for use in multiple experiments

Product Details

- Quantitative protein detection
- Establishes normal range
- The best products for confirmation of antibody array data

Components:	<ul style="list-style-type: none">• Pre-Coated 96-well Strip Microplate• Wash Buffer• Stop Solution• Assay Diluent(s)• Lyophilized Standard• Biotinylated Detection Antibody• Streptavidin-Conjugated HRP• TMB One-Step Substrate
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Material not included:	<ul style="list-style-type: none">• Distilled or deionized water• Precision pipettes to deliver 2 µL to 1 µL volumes• Adjustable 1-25 µL pipettes for reagent preparation• 100 µL and 1 liter graduated cylinders• Tubes to prepare standard and sample dilutions• Absorbent paper• Microplate reader capable of measuring absorbance at 450nm• Log-log graph paper or computer and software for ELISA data analysis
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Target Details

Target:	IL-33 (IL33)
Alternative Name:	IL-33 (IL33 Products)
Background:	Gene Names: IL33 Protein names: Interleukin-33 (IL-33) [Cleaved into: Interleukin-33(102-266), Interleukin-33(109-266)]
Gene ID:	77125
UniProt:	Q8BVZ5
Pathways:	Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	Recommended Dilution for serum and plasma samples 2 fold
Sample Volume:	100 µL
Plate:	Pre-coated

Application Details

Protocol:	<ol style="list-style-type: none">1. Prepare all reagents, samples and standards as instructed in the manual.2. Add 100 µL of standard or sample to each well.3. Incubate 2.5 h at RT or O/N at 4 °C.4. Add 100 µL of prepared biotin antibody to each well.5. Incubate 1 h at RT.6. Add 100 µL of prepared Streptavidin solution to each well.7. Incubate 45 min at RT.8. Add 100 µL of TMB One-Step Substrate Reagent to each well.9. Incubate 30 min at RT.10. Add 50 µL of Stop Solution to each well.11. Read at 450 nm immediately.
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Restrictions:	For Research Use only
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Handling

Storage:	-20 °C
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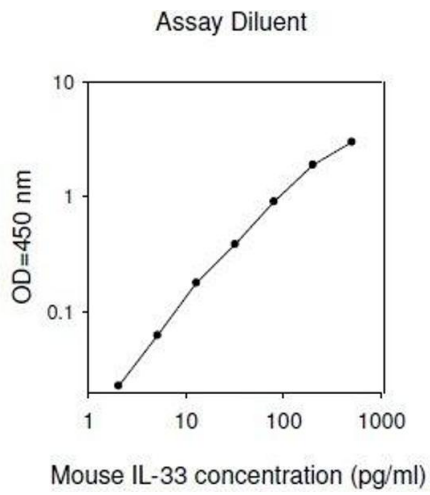
Storage Comment:	The entire kit may be stored at -20°C for up to 1 year from the date of shipment. Avoid repeated freeze-thaw cycles. The kit may be stored at 4°C for up to 6 months. For extended storage, it is recommended to store at -80°C.
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Expiry Date:	6 months
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Publications

Product cited in:	Zhang, Wang, Li, Wu, Si, Wu: "Necrostatin-1 Attenuates Inflammatory Response and Improves Cognitive Function in Chronic Ischemic Stroke Mice." in: Medicines (Basel, Switzerland) , Vol. 3, Issue 3, (2016) (PubMed).
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Raeiszadeh Jahromi, Mahesh, Jayaraj, Madhunapantula, Holla, Vishweswaraiah, Ramachandra: "Serum levels of IL-10, IL-17F and IL-33 in patients with asthma: a case-control study." in: **The Journal of asthma : official journal of the Association for the Care of Asthma**, Vol. 51, Issue 10, pp. 1004-13, (2014) ([PubMed](#)).



ELISA

Image 1.