



## Mouse caspase-1 (CASP1) ELISA kit

<b>Cat. No.:</b>	OB0625WXX-271
<b>Assay Type:</b>	Quantitative sandwich ELISA
<b>Target Species:</b>	Mouse
<b>Assay Target:</b>	CASP1
<b>Size:</b>	48T; 96T

This product is for research use only and is not intended for diagnostic use.

### Product Overview

<b>Description</b>	Mouse caspase-1 (CASP1) ELISA kit is an ELISA-based <i>in vitro</i> research tool designed specifically for the quantitative detection of CASP1 in mouse. The kit is highly specific, sensitive, and easy to use.
<b>Assay Principle</b>	An antibody specific for CASP1 has been pre-coated on a microtiter plate. Standards and samples are pipetted into the wells, and any CASP1 is bound by the immobilized antibody. After removal of unbound material, a biotin-conjugated antibody specific for CASP1 is added to the wells. After washing, streptavidin-conjugated horseradish peroxidase (HRP) is added to the wells. After washing to remove unbound avidin-enzyme reagent, a substrate solution is added to the wells, and the color develops in proportion to the amount of CASP1 bound in the first step. The color development is stopped, and the intensity of the color is measured.
<b>Background</b>	CASP1 can cleave IL-1 $\beta$ , releasing mature cytokines that are involved in various inflammatory processes. It is highly expressed in the spleen and lungs and plays an important role in pathogen defense.
<b>Synonyms</b>	ICE; IL1BC; IL1-BC; P45; Interleukin 1 beta converting enzyme; Apoptosis-related cysteine peptidase; Interleukin-1 beta convertase
<b>Formula Weight</b>	45,640 Da
<b>Applications</b>	Mouse caspase-1 (CASP1) ELISA kit is an important tool for the quantitative detection of CASP1 in various biological samples (serum, plasma, and other biological fluids) of mice.



**Research Area** Inflammation; Obesity research

## Specification

**Sample Type** Serum; Plasma; Other biological fluids

**Cross-reactivity** No significant cross-reactivity or interference was observed.

**Storage** Store at 2-8°C.