

Datasheet for ABIN1305223
anti-Caspase 1 antibody



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1 Image

Overview

Quantity:	1 set
Target:	Caspase 1 (CASP1)
Reactivity:	Mouse
Host:	Please inquire
Detection Range:	0.15ng/mL – 10ng/mL
Minimum Detection Limit:	100pg/ml
Application:	ELISA

Product Details

Specificity:	Detects mouse Caspase-1 (p10 and p20 domain). Does not detect human Caspase-1.
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Target Details

Target:	Caspase 1 (CASP1)
Alternative Name:	Caspase-1 (CASP1 Products)
Background:	Caspase-1 is the best-described inflammatory caspase. It processes the cytokines interleukin-1beta (IL-1beta) and interleukin-18 (IL-18) and induces pyroptotic cell death. Caspase-1 is activated by multiprotein complexes called inflammasomes in response to numerous stimuli that are detected through distinct inflammasomes. NLRC4 responds to cytosolic flagellin, murine NLRP1b responds to anthrax lethal toxin, AIM2 responds to cytosolic DNA and NLRP3/NALP3 responds to a variety of agonists including crystals. _x000D_The Caspase-1 (mouse) Matched Pair Detection Set contains all reagents for the development of a sandwich ELISA to measure Caspase-1 (mouse) in cell culture supernatants. This Matched Pair Detection

Target Details

Set is a quantitative alternative to Western blotting to measure inflammasome activation leading to Caspase-1 cleavage and secretion.

Pathways: [Apoptosis](#), [Interferon-gamma Pathway](#), [Positive Regulation of Endopeptidase Activity](#), [Inflammasome](#)

Application Details

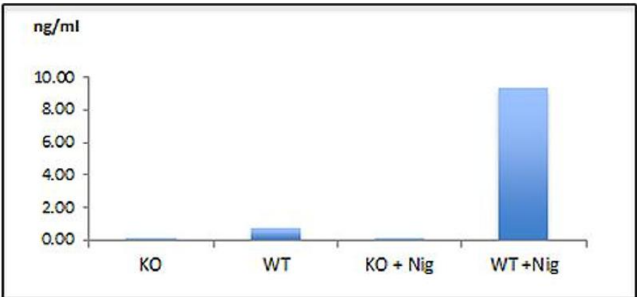
Restrictions: For Research Use only

Handling

Concentration: Lot specific

Storage: -20 °C

Images



ELISA

Image 1. Mouse Caspase-1 is detected in cell culture supernatants by ELISA using Caspase-1 (mouse) Matched Pair Detection Set . Method: Caspase-1 (mouse) was measured by ELISA in supernatants of differentiated bone marrow-derived dendritic cells (BMDCs) from wild-type (WT) or caspase-1 $-/-$ (KO) mice activated or not by 5 &mu