

Caspase-1 Assay Kit | Casp1 assay kit

Caspase-1 Assay Kit (Colorimetric)

CATALOG #
AAA332444

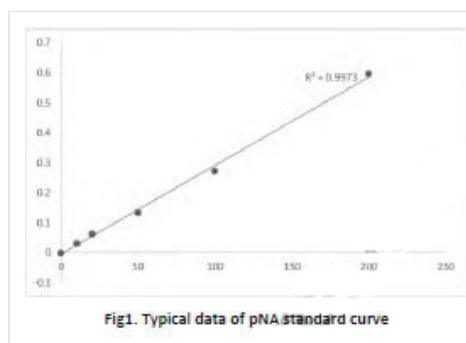
PRODUCT SYNONYMS

Caspase-1; Caspase-1 Assay Kit (Colorimetric); Casp1 assay kit

PRODUCT SPECIFICATIONS

Sequence Length	402
Preparation and Storage	Stable for at least 12 months at recommended temperature from date of shipment.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Casp1 assay kit

Principle of the Assay: Caspase family of cysteine proteases has been shown to play a key role in apoptosis. Mammalian caspases can be subdivided into three functional groups: initiator caspases (Caspase 2, 8, 9 and 10), executioner caspases (Caspase-3, 6 and 7), and inflammatory caspases (Caspase 1, 4, 5, 11 and 12). Caspase-1 (ICE, interleukin-1beta-converting enzyme) is the mammalian caspase responsible for the proteolytic conversion of the proforms of two inflammatory cytokines, interleukin-1beta and IL-18 into active cytokines, initiating a proinflammatory response. It also cleaves Gasdermin D into its active form, which leads to pyroptosis. The Caspase 1 Assay Kit (Colorimetric) is based on the hydrolysis of the peptide substrate Ac-YVAD-pNA (acetyl-Tyr-Val-Ala-Asp p-nitroanilide) by caspase 1, resulting in the release of the p-nitroaniline (pNA), which can be quantified using a spectrophotometer or a microtiter plate reader at 405 nm.

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Product Categories/Family for Casp1 assay kit

[Cell Status Detection](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	31542341
NCBI GeneID	25166
NCBI GenBank Nucleotide #	NP_036894.2
NCBI Official Full Name	caspase-1
NCBI Official Synonym Full Names	caspase 1
NCBI Official Symbol	Casp1
NCBI Official Synonym Symbols	Ice; Il1bc
NCBI Protein Information	caspase-1

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://stage.aaabiotech.com/assay-kits/caspase-1/332444>