

[Go to Product page](#)

## Datasheet for ABIN6720169

### GNLY ELISA Kit

#### Overview

Quantity:	1 kit
Target:	GNLY
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	31.2 pg/mL - 2000 pg/mL
Minimum Detection Limit:	31.2 pg/mL
Application:	ELISA

#### Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: 519, D2S69E, GNLY, GNLY_HUMAN, Granulysin, LAG 2, LAG2, Lymphocyte activation gene 2, Lymphokine LAG 2, Lymphokine LAG-2, NKG 5, NKG5, Protein NKG5, T cell activation protein 519, T lymphocyte activation gene 519, T-cell activation protein 519, TLA519</p> <p>Background: Granulysin is a substance released by cytotoxic T cells(CD8) when they are attached to infected body cells. The product of this gene is a member of the saposin-like protein(SAPLIP) family. It is mapped to 2p11.2. Granulysin functions to create holes in the target cell membrane and destroy it. It is able to induce apoptosis in target cells and also has antimicrobial action. This gene is expressed in cytolytic granules with perforin, a pore forming</p>

## Product Details

protein, and granzymes that are also involved in cytolysis. In addition to it, Granulysin is broadly antimicrobial, killing microbes that cause, for example, tuberculosis and malaria, and can destroy some tumors. A series of peptides generated from the amino acid sequence of Granulysin are potential antibiotics. It has been found that secretory Granulysin is a key molecule responsible for the disseminated keratinocyte death in SJS/TEN.

Gene Name: GNLY

Production: Natural and recombinant human Granulysin. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: M1-L145

## Target Details

Target: GNLY

Alternative Name: Granulysin ([GNLY Products](#))

Gene ID: 10578

NCBI Accession: [NP\\_001289687](#)

UniProt: [P22749](#)

## Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL human Granulysin standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human Granulysin standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 31.2pg/mL-2000pg/mL

Sample Volume: 100 µL

Plate: Pre-coated

Restrictions: For Research Use only

## Handling

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Storage:	RT, 4 °C, -20 °C
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Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
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