# Human granulysin,GNLY ELISA Kit

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| **Product Code** | CSB-E09936h |
| **Abbreviation** | GNLY |
| **Target Name** | granulysin |
| **Uniprot No.** | P22749 |
| **Alias** | 519, D2S69E, LAG-2, LAG2, NKG5, TLA519, T-lymphocyte activation gene 519\|lymphocyte-activation gene 2 |
| **Product Type** | ELISA Kit |
| **Immunogen Species** | Homo sapiens (Human) |
| **Assay Time** | 1-5h |
| **Sample Volume** | 50-100ul |
| **Detection Wavelength** | 450 nm |
| **Lead Time** | 3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx. |
| **Research Area** | Immunology |
| **Gene Names** | GNLY |
| **Tag Info** | quantitative |
| **Protein Description** | Sandwich |

**Description**

The product CSB-E09936h is a sandwich ELISA kit developed to measure levels of human granulysin (GNLY) in the samples. This assay uses the sandwich enzyme immunoassay technique in combination with the enzyme-substrate chromogenic reaction to quantify the analyte in the sample. The color develops positively to the amount of GNLY in samples. The color intensity is measured at 450 nm via a microplate reader.

GNLY is a cytolytic and proinflammatory molecule expressed by activated human cytotoxic T lymphocytes (CTLs) and natural killer (NK) cells. NK cells release GNLY very early in immune responses, whereas CTLs release it after 3-5 days of activation. GNLY has cytolytic activity against microbes and tumors. Normal values of GNLY in the serum of healthy persons are 3.7 ±3.2 ng/ml. An increase in GNLY expression and levels in tissue and serum has been found in infections, autoimmune diseases, transplant rejection, and graft versus host reaction in patients with hematopoietic stem cell transplantation. Abnormal serum levels of GNLY in lymphomas with NK and cytotoxic phenotype have been shown to correlate with tumor progression.

**Target Details**

The product of this gene is a member of the saposin-like protein (SAPLIP) family and is located in the cytotoxic granules of T cells, which are released upon antigen stimulation. This protein is present in cytotoxic granules of cytotoxic T

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| | lymphocytes and natural killer cells, and it has antimicrobial activity against M. tuberculosis and other organisms. Alternatively spliced transcript variants encoding different isoforms have been identified. |
| **Product Precision** | |
| **Linearity** | |
| **Recovery** | |
| **Typical** | |
| **Msds** | {"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-E09936h.pdf","filename":"MSDS"}} |