

Human Granulysin ELISA Kit | GNLY elisa kit

Human Granulysin PicoKine ELISA Kit

CATALOG #
AAA45820

REACTIVITY
Human

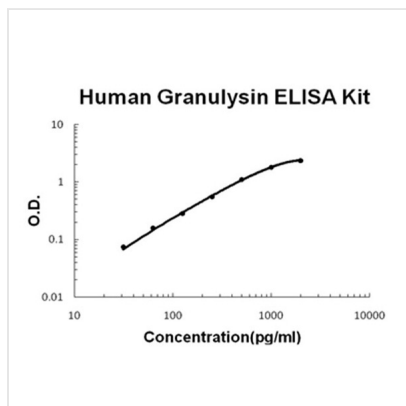
PRODUCT SYNONYMS

Granulysin; Human Granulysin PicoKine ELISA Kit; granulysin; 519; D2S69E; GNLY; GNLY_HUMAN; 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; GNLY elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human Granulysin
Sequence Length	145
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human Granulysin PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for GNLY elisa kit	Principle of the assay: human Granulysin ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Granulysin has been precoated onto 96-well plates. Standards(NSO, M1-L145) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Granulysin is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human Granulysin amount of sample captured in plate. 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 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	116242500
NCBI GeneID	10578
UniProt Accession #	P22749; P09325; Q6GU08
Molecular Weight	14,853 Da
NCBI Official Full Name	Granulysin
NCBI Official Synonym Full Names	granulysin
NCBI Official Symbol	GNLY
NCBI Official Synonym Symbols	519; LAG2; NKG5; LAG-2; D2S69E; TLA519
NCBI Protein Information	granulysin; lymphokine LAG-2; lymphocyte-activation gene 2; T-cell activation protein 519; T-lymphocyte activation gene 519
UniProt Protein Name	Granulysin
UniProt Gene Name	GNLY
UniProt Synonym Gene Names	LAG2; NKG5; TLA519
UniProt Entry Name	GNLY_HUMAN

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.