

Human Granulysin ELISA Kit | GNLY elisa kit

Human Granulysin PicoKine Fast ELISA Kit

CATALOG #
AAA125364

REACTIVITY
Human

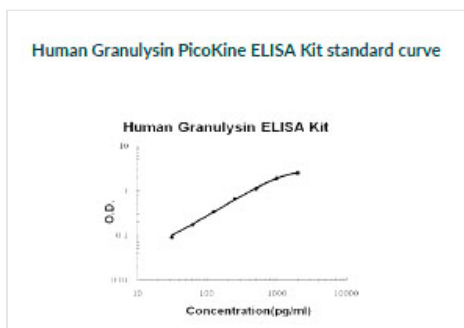
PRODUCT SYNONYMS

Granulysin; Human Granulysin PicoKine Fast ELISA Kit; human Granulysin; Lymphokine LAG-2; Protein NKG5; T-cell activation protein 519; GNLY; LAG2; NKG5; TLA519; GNLY elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human GNLY
Sequence Length	145
Samples	Cell culture supernates, cell lysates, serum and plasma (heparin, EDTA)
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 accross 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. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GNLY elisa kit

Principle of the Assay: The Picokine™ Human GNLY Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human GNLY with a 96-well strip plate that is pre-coated with antibody specific for GNLY. The detection antibody is a biotinylated antibody specific for GNLY. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human GNLY with immunogen: Expression system for standard: NSO; Immunogen sequence: M1-L145. The kit is analytically validated with ready to use reagents. To measure Human GNLY, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Human GNLY in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human GNLY in the sample.!!Background/Introduction: 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7108344
NCBI GeneID	10578
NCBI Accession #	NP_006424.2
NCBI GenBank Nucleotide #	NP_006424.2
UniProt Accession #	P22749
NCBI Official Full Name	granulysin isoform 2
NCBI Official Synonym Full Names	granulysin
NCBI Official Symbol	GNLY
NCBI Official Synonym Symbols	LAG2; NKG5; LAG-2; D2S69E; TLA519
NCBI Protein Information	granulysin
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.

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Online datasheet: <https://stage.aaabiotech.com/gnly-human-elisa-kits/granulysin/125364>