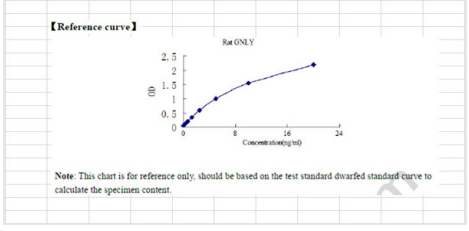
Granulysin (GNLY) ELISA Kit for Rat

PRODUCT OVERVIEW

Product Name	granulysin (GNLY), ELISA Kit
Full Product Name	Rat granulysin (GNLY) ELISA Kit
Product Gene Name	GNLY elisa kit
Species Reactivity	Rat
Assay Type	Quantitative Sandwich
Samples	Rat serum, plasma or cell culture supernatant
Detection Range	20 ng/ml-0.312 ng/ml
Sensitivity	Up to 0.06ng/ml
Specificity	No cross-reaction with other factors.
Preparation and Storage	Store all reagents at 2-8 degree C.
Inter-assay Precision	<= 12%
Intra-assay Precision	<= 8%
Molecular Weight	14,853 Da
OMIM	188855
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for GNLY elisa kit	Principle of the Assay: This experiment use double-sandwich elisa technique and the ELISA Kit provided is typical. The pre-coated antibody is Rat GNLY monoclonal antibody and the detecting antibody is polyclonal antibody with biotin labeled. Samples and biotin labeling antibody are added into ELISA plate wells and washed out with PBS or TBS. Then Avidin-peroxidase conjugates are added to ELISA wells in order; Use TMB substrate for coloring after reactant thoroughly washed out by PBS or TBS. TMB turns into blue in peroxidase catalytic and finally turns into yellow under the action of acid. The color depth and the testing factors in samples are positively correlated.
Other Notes	Small volumes of GNLY elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for GNLY purchase	MBS266909 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the granulysin (GNLY) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing GNLY. The ELISA analytical biochemical technique of the MBS266909 kit is based on GNLY antibody-GNLY antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect GNLY antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, GNLY. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of GNLY elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GNLY. It may not necessarily be applicable to this product.

NCBI GI #	23270802
NCBI GeneID	10578
NCBI Accession #	AAH23576.1
UniProt Secondary Accession #	P09325; Q6GU08
UniProt Related Accession #	P22749
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
UniProt Protein Name	Granulysin
UniProt Synonym Protein Names	Lymphokine LAG-2; Protein NKG5; T-cell activation protein 519
Protein Family	Granulysin
UniProt Gene Name	GNLY
UniProt Synonym Gene Names	LAG2; NKG5; TLA519
UniProt Entry Name	GNLY_HUMAN
NCBI Protein Information	granulysin; lymphokine LAG-2; lymphocyte-activation gene 2; T-cell activation protein 519; T-lymphocyte activation gene 519
NCBI Summary for GNLY	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 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. [provided by RefSeq, Jul 2008]
UniProt Comments for GNLY	GNLY: Antimicrobial protein that kills intracellular pathogens. Active against a broad range of microbes, including Gram-positive and Gram-negative bacteria, fungi, and parasites. Kills Mycobacterium tuberculosis. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 2p11.2 Cellular Component: extracellular space Biological Process: killing of cells of another organism; defense response to bacterium; cellular defense response; defense response to fungus
Research Articles on GNLY	**1.** Serum granulysin levels were significantly elevated in both acute and chronic alopecia areata patients.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.

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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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