

Human Granzyme K ELISA Kit | GZMK elisa kit

Human Granzyme K ELISA Kit

CATALOG #
AAA97768

REACTIVITY
Human

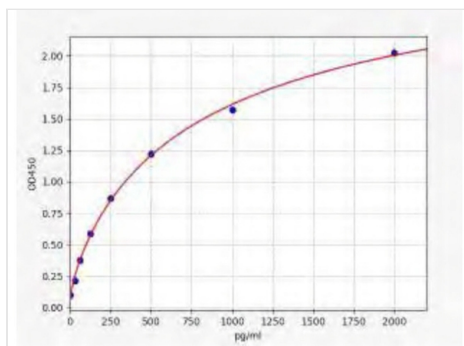
PRODUCT SYNONYMS

Granzyme K; Human Granzyme K ELISA Kit; GZMK/NK-tryptase-2/NK-Tryp-2/Fragmentin-3/Granzyme-3; GZMK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize GZMK, no obvious cross reaction with other analogues
Sequence Length	264
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GZMK elisa kit	Background: Granzyme K is a serine protease produced by cytotoxic lymphocytes, including natural killer cells and cytotoxic T lymphocytes. It induces apoptosis in target cells by cleaving specific substrates, contributing to immune surveillance and defense against infected or transformed cells. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti GZMK antibody was precoated onto the 96-well plate. The biotin conjugated anti GZMK antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with GZMK conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of GZMK in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504235
NCBI GeneID	3003
NCBI Accession #	NP_002095.1
NCBI GenBank Nucleotide #	NM_002104.2
Molecular Weight	28,882 Da
NCBI Official Full Name	granzyme K
NCBI Official Synonym Full Names	granzyme K
NCBI Official Symbol	GZMK
NCBI Official Synonym Symbols	TRYP2
NCBI Protein Information	granzyme K
UniProt Protein Name	Granzyme K
UniProt Gene Name	GZMK
UniProt Synonym Gene Names	TRYP2; NK-Tryp-2
UniProt Entry Name	GRAK_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/gzmk-human-elisa-kits/granzyme-k/97768>