

Rat Granzyme K ELISA Kit | GZMK elisa kit

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CATALOG #
AAA102411

REACTIVITY
Rat

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of GZMK . No significant cross-reactivity or interference between GZMK and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross - reactivity detection between GZMK and all the analogues, therefore, cross reaction may still exist.
Sequence Length	264
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GZMK were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level GZMK were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<10%
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

Typical Data & Standard Curve									
Results of a typical standard run of a GZMK ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A/not applicable)									
X	pg/ml	0	15.625	31.25	62.5	125	250	500	1000
Y	OD450	0.006	0.074	0.14	0.282	0.564	1.064	1.835	2.339

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GZMK elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-GZMK antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-GZMK antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were 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 GZMK amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of GZMK can be calculated.

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.

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Online datasheet: <https://stage.aaabiotech.com/gzmk-rat-elisa-kits/granzyme-k/102411>