

ARG81811 Mouse Granzyme B ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81811-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81811-002	Standard	2 X 10 ng/vial	4°C
ARG81811-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81811-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81811-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81811-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81811-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81811-008	25X Wash buffer	20 ml	4°C
ARG81811-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81811-010	STOP solution	10 ml (Ready to use)	4°C
ARG81811-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81811 Mouse Granzyme B ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse Granzyme B in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	Granzyme B
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	7.8 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.9%; Inter-Assay CV: 7.2%
Alternate Names	EC 3.4.21.79; CTLA-1; CSP-B; Granzyme B; CTLA1; CCPI; CGL-1; CGL1; Cytotoxic T-lymphocyte proteinase 2; T-cell serine protease 1-3E; HLP; CTSG1; in-2; Cathepsin G-like 1; SECT; Granzyme-2; Human lymphocyte protein; C11; CSPB; Lymphocyte protease

Application Instructions

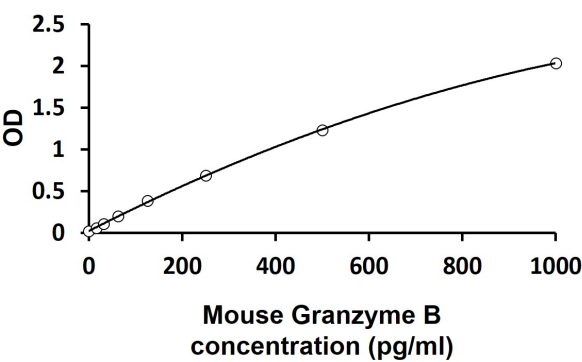
Assay Time	~ 5 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	GZMB
Gene Full Name	granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1)
Background	Granzyme B is a member of the granzyme subfamily of proteins, part of the peptidase S1 family of serine proteases. The encoded preproprotein is secreted by natural killer (NK) cells and cytotoxic T lymphocytes (CTLs) and proteolytically processed to generate the active protease, which induces target cell apoptosis. This protein also processes cytokines and degrades extracellular matrix proteins, and these roles are implicated in chronic inflammation and wound healing. Expression of this gene may be elevated in human patients with cardiac fibrosis. [provided by RefSeq, Sep 2016]
Function	Granzyme B is necessary for target cell lysis in cell-mediated immune responses. It cleaves after Asp. Seems to be linked to an activation cascade of caspases (aspartate-specific cysteine proteases) responsible for apoptosis execution. Cleaves caspase-3, -7, -9 and 10 to give rise to active enzymes mediating apoptosis. [UniProt]
Highlight	<p>Related products: Granzyme B antibodies; Granzyme B ELISA Kits;</p> <p>Related news: Examining CTL/NK-mediated cytotoxicity by ELISA Anti-SerpinB9 therapy, a new strategy for cancer therapy</p> <p>New ELISA data calculation tool: Simplify the ELISA analysis by GainData</p>



ARG81811 Mouse Granzyme B ELISA Kit standard curve image

ARG81811 Mouse Granzyme B ELISA Kit results of a typical standard run with optical density reading at 450 nm.