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Datasheet for ABIN6720044

GZMA ELISA Kit

Overview

Quantity:	1 kit
Target:	GZMA
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	15.6 pg/mL - 1000 pg/mL
Minimum Detection Limit:	15.6 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric

Characteristics:	<p>Synonyms: CTL tryptase, CTLA3, Cytolytic t cell and natural killer cell specific trypsin like serine protease, Cytotoxic T lymphocyte associated serine esterase 3, Cytotoxic T lymphocyte proteinase 1, Cytotoxic T-lymphocyte proteinase 1, Fragmentin 1, Fragmentin-1, GRAA_HUMAN, Granzyme 1 cytotoxic T lymphocyte associated serine esterase 3, Granzyme A, Granzyme A precursor, Granzyme-1, GZMA, H factor, Hanukah factor serine protease, Hanukkah factor, HF, HFSP, TSP1</p> <p>Background: Granzyme A is a protein that in humans is encoded by the GZMA gene. Cytolytic T lymphocytes (CTL) and natural killer (NK) cells share the remarkable ability to recognize, bind,</p>
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Product Details

and lyse specific target cells. They are thought to protect their host by lysing cells bearing on their surface "nonself" antigens, usually peptides or proteins resulting from infection by intracellular pathogens. The protein described here is a T cell- and natural killer cell-specific serine protease that may function as a common component necessary for lysis of target cells by cytotoxic T lymphocytes and natural killer cells. GZMA induces caspase-independent apoptosis in a characteristic manner, except it causes a distinctive form of DNA damage: single-stranded DNA nicking. A target of GZMA is the SET complex, including HMGB2 and ANP32A.

Gene Name: GZMA

Production: Natural and recombinant human Granzyme A. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: I29-V262

Target Details

Target:	GZMA
Alternative Name:	Granzyme A (GZMA Products)
Gene ID:	3001
NCBI Accession:	NP_006135
UniProt:	P12544
Pathways:	Apoptosis

Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL, 15.6pg/mL human Granzyme A standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human Granzyme A standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 15.6pg/mL-1000pg/mL</p>
Sample Volume:	100 µL

Application Details

Plate: Pre-coated

Restrictions: For Research Use only

Handling

Storage: RT, 4 °C, -20 °C

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.