

Human Gasdermin D (GSDMD) ELISA Kit | GSDMD elisa kit

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CATALOG #
AAA23055

REACTIVITY
Human

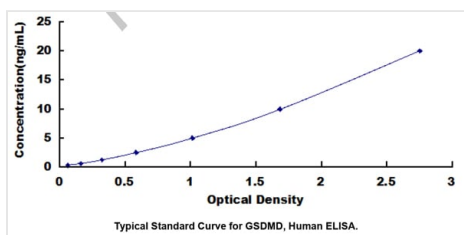
PRODUCT SYNONYMS

Gasdermin D (GSDMD); Human Gasdermin D (GSDMD) ELISA Kit; GSDMDC1; DF5L; Gasdermin Domain Containing 1; GSDMD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GSDMD. No significant cross-reactivity or interference between GSDMD and analogues was observed.
Sequence Length	484
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.147ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GSDMD were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level GSDMD were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GSDMD elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to GSDMD. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to GSDMD. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain GSDMD, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of GSDMD in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GSDMD in human tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
References	Intermittent Hypoxia Mediates Paraspeckle Protein-1 Upregulation in Sleep Apnea; Cancers (Basel); 2021 Aug 2;13(15):3888.; PMID: 34359789; Elena Díaz-García; Grupo de Enfermedades Respiratorias, Instituto de Investigación Sanitaria del Hospital Universitario La Paz (IdiPAZ), 28029 Madrid, Spain.

NCBI AND UNIPROT INFORMATION

NCBI GI #	261878494
NCBI GeneID	79792
NCBI Accession #	NP_001159709.1
NCBI GenBank Nucleotide #	NM_001166237.1
UniProt Accession #	P57764; Q96Q98; A8K702; D3DWJ9
Molecular Weight	52,801 Da
NCBI Official Full Name	gasdermin-D
NCBI Official Synonym Full Names	gasdermin D
NCBI Official Symbol	GSDMD
NCBI Official Synonym Symbols	DF5L; DFNA5L; FKSG10; GSDMDC1
NCBI Protein Information	gasdermin-D
UniProt Protein Name	Gasdermin-D
UniProt Gene Name	GSDMD
UniProt Synonym Gene Names	DFNA5L; GSDMDC1; GSDMD-CT

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.