

Human Gasdermin D ELISA Kit | GSDMD elisa kit

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CATALOG #
AAA247262

REACTIVITY
Human

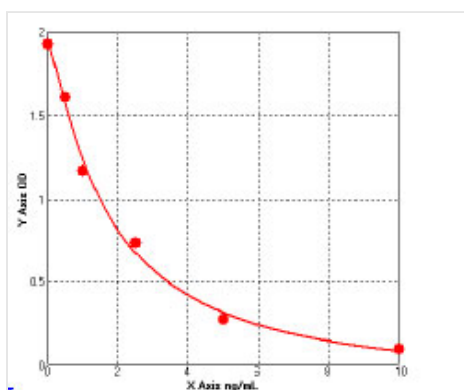
PRODUCT SYNONYMS

Gasdermin D; Human Gasdermin D ELISA Kit; 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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GSDMD and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	484
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Reactivity Note	No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.
Preparation and Storage	Store at 2-8 degree C. 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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GSDMD elisa kit	Intended Uses: This GSDMD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human GSDMD. This ELISA kit for research use only! Principle of the Assay: GSDMD ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-GSDMD antibody and an GSDMD-HRP conjugate. The assay sample and buffer are incubated together with GSDMD-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the GSDMD concentration since GSDMD from samples and GSDMD-HRP conjugate compete for the anti-GSDMD antibody binding site. Since the number of sites is limited, as more sites are occupied by GSDMD from the sample, fewer sites are left to bind GSDMD-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GSDMD concentration in each sample is interpolated from this standard curve.
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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-NT; 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/gsdmd-human-elisa-kits/gasdermin-d/247262>