

Human Gelsolin (GS) ELISA Kit | GS elisa kit

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CATALOG #
AAA139139

REACTIVITY
Human

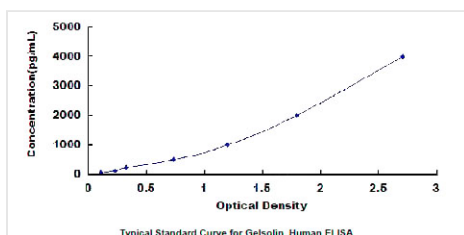
PRODUCT SYNONYMS

Gelsolin (GS); Human Gelsolin (GS) ELISA Kit; GSN; AGEL; ADF; Brevin; Gelsolin Amyloidosis; Finnish Type; Actin-depolymerizing factor; GS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of gelsolin. No significant cross-reactivity or interference between gelsolin and analogues was observed.
Sequence Length	780
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	6.25-400ng/mL
Sensitivity	2.93ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level gelsolin 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 gelsolin 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 GS elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of gelsolin in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to gelsolin. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to gelsolin. 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 gelsolin, 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 gelsolin in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for GS elisa kit	Tumor immunity; Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	51854227
NCBI GeneID	296654
NCBI Accession #	NP_001004080.1
NCBI GenBank Nucleotide #	NM_001004080.1
Molecular Weight	80,929 Da
NCBI Official Full Name	gelsolin
NCBI Official Synonym Full Names	gelsolin
NCBI Official Symbol	Gsn
NCBI Protein Information	gelsolin
UniProt Protein Name	Gelsolin
UniProt Gene Name	Gsn
UniProt Synonym Gene Names	ADF
UniProt Entry Name	GELS_RAT

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://www.aaabiotech.com/human-elisa-kits/gelsolin-gs/139139>