

Human Zymogen granule membrane protein 16 ELISA Kit | ZG16 elisa kit

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CATALOG #
AAA99436

REACTIVITY
Human

PRODUCT SYNONYMS

Zymogen granule membrane protein 16; Human Zymogen granule membrane protein 16 ELISA Kit; ZG16 (Zymogen granule membrane protein 16)/Secretory lectin ZG16/Zymogen granule protein 16/hZG16; ZG16 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ZFP36. No significant cross-reactivity or interference between ZFP36 and analogues was observed.
Sequence Length	167
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ZFP36 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ZFP36 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a ZG16 ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A=not applicable)

X	ng/ml	0	0.156	0.312	0.625	1.25	2.5	5	10
Y	OD450	0.099	0.155	0.216	0.332	0.492	0.831	1.378	2.501

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ZG16 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-ZFP36 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-ZFP36 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the ZFP36 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of ZFP36 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	327412340
NCBI GeneID	653808
NCBI Accession #	NP_689551.2
NCBI GenBank Nucleotide #	NM_152338.3
Molecular Weight	18,147 Da
NCBI Official Full Name	zymogen granule membrane protein 16
NCBI Official Synonym Full Names	zymogen granule protein 16
NCBI Official Symbol	ZG16
NCBI Official Synonym Symbols	JCLN; JCLN1; ZG16A
NCBI Protein Information	zymogen granule membrane protein 16
UniProt Protein Name	Zymogen granule membrane protein 16
UniProt Gene Name	ZG16
UniProt Synonym Gene Names	Zymogen granule protein 16; hZG16
UniProt Entry Name	ZG16_HUMAN

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/zg16-human-elisa-kits/zymogen-granule-membrane-protein-16/99436>