

Human Lysozyme ELISA Kit | LzM elisa kit

Human Lysozyme ELISA Kit

CATALOG #
AAA100967

REACTIVITY
Human

PRODUCT SYNONYMS

Lysozyme; Human Lysozyme ELISA Kit; LzM/lysozyme/lysozyme (renal amyloidosis)1; 4-beta-N-acetylmuramidase C/lysozyme C/LYZ/renal amyloidosis/1; 4-beta-N-acetylmuramidase C; LzM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of LzMg . No significant cross-reactivity or interference between LzMg and analogues was observed. Note: Limited by current skills and knowledge, it is difficult for us to complete the crossreactivity detection between LzMg and all the analogues, therefore, cross reaction may still exist.
Sequence Length	148
Assay Type	Competitive ELISA, Coated with Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	1.25-80ng/ml
Sensitivity	0.75ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LzMg 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 LzMg 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 LzMg 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	1.25	2.5	5	10	20	40	80
Y	OD450	0.057	0.199	0.331	0.596	1.121	1.728	2.33	2.951

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LzM elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-LzMg antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- LzMg 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. HRPStreptavidin 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 LzMg amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of LzMg can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	307142
NCBI GeneID	4069
Molecular Weight	16,537 Da
NCBI Official Full Name	lysozyme (EC 3.2.1.17)
NCBI Official Synonym Full Names	lysozyme
NCBI Official Symbol	LYZ
NCBI Official Synonym Symbols	LZM; LYZF1
NCBI Protein Information	lysozyme C
UniProt Protein Name	Lysozyme C
UniProt Gene Name	LYZ
UniProt Synonym Gene Names	LZM
UniProt Entry Name	LYSC_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/lzm-human-elisa-kits/lysozyme/100967>