

Chicken Lysozyme (LZM) CLIA Kit | LZM clia kit

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CATALOG #
AAA140953

REACTIVITY
Chicken

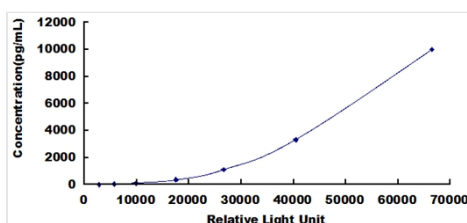
PRODUCT SYNONYMS

Lysozyme (LZM); Chicken Lysozyme (LZM) CLIA Kit; LYZ; Renal Amyloidosis; N-Acetylmuramide Glycanhydrolase; Muramidase; 1; 4-beta-N-acetylmuramidase C; LZM clia kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This assay has high sensitivity and excellent specificity for detection of Lysozyme (LZM). No significant cross-reactivity or interference between Lysozyme (LZM) and analogues was observed.
Sequence Length	148
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	13.7-10000pg/mL
Sensitivity	5.4pg/mL
Application	Chemiluminescent immunoassay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Lysozyme (LZM) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Lysozyme (LZM) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 LZM clia kit	The microplate provided in this kit has been pre-coated with an antibody specific to Lysozyme (LZM). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Lysozyme (LZM). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Lysozyme (LZM) level in the sample or standard.;
Product Categories/Family for LZM clia kit	Enzyme & Kinase; Infection immunity

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
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.

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Online datasheet: <https://stage.aaabiotech.com/chicken-clia-kits/lysozyme-lzm/140953>