

Chicken Lysozyme (LZM) ELISA Kit | LZM elisa kit

Chicken Lysozyme (LZM) Mini Samples ELISA Kit

CATALOG #
AAA21072

REACTIVITY
Chicken

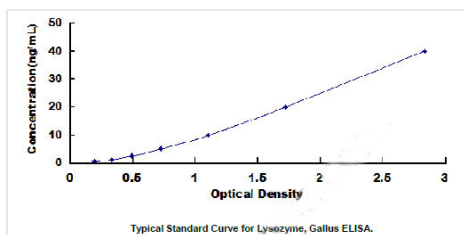
PRODUCT SYNONYMS

Lysozyme (LZM); Chicken Lysozyme (LZM) Mini Samples ELISA Kit; LYZ; Renal Amyloidosis; N-Acetylmuramide Glycanhydrolase; Muramidase; 1; 4-beta-N-acetylmuramidase C; LZM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This assay has high sensitivity and excellent specificity for detection of lysozyme. No significant cross-reactivity or interference between lysozyme and analogues was observed.
Sequence Length	147
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.625-40ng/mL
Sensitivity	0.293ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level lysozyme 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 lysozyme were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LZM elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of lysozyme in gallus 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 lysozyme. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to lysozyme. 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 lysozyme, 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 lysozyme in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for LZM elisa kit	Enzyme & Kinase; Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	45384212
NCBI GeneID	396218
NCBI Accession #	NP_990612.1
NCBI GenBank Nucleotide #	NM_205281.1
UniProt Accession #	P00698; Q90884
Molecular Weight	16,239 Da
NCBI Official Full Name	lysozyme C
NCBI Official Synonym Full Names	lysozyme (renal amyloidosis)
NCBI Official Symbol	LYZ
NCBI Official Synonym Symbols	LYZC
NCBI Protein Information	lysozyme C
UniProt Protein Name	Lysozyme C
UniProt Gene Name	LYZ

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-elisa-kits/lysozyme-lzm/21072>