

Mouse Lysozyme (LZM) ELISA Kit | LZM elisa kit

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CATALOG #
AAA65196

REACTIVITY
Mouse

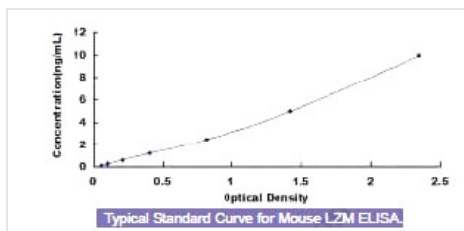
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of LZM. No significant cross-reactivity or interference between LZM and analogues was observed.
Sequence Length	148
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.066ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LZM 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 LZM were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

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 LZM in mouse serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to LZM. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to LZM. 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 LZM, 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 LZM in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	8393739
NCBI GeneID	17105
NCBI Accession #	NP_059068.1
NCBI GenBank Nucleotide #	NM_017372.3
UniProt Accession #	P08905; Q3TXG2; Q3U5Q2; Q3U690; Q8VE78
Molecular Weight	16,689 Da
NCBI Official Full Name	lysozyme C-2
NCBI Official Synonym Full Names	lysozyme 2
NCBI Official Symbol	Lyz2
NCBI Official Synonym Symbols	Lys; Lzm; Lzp; Lysm; Lyzs; Lyzf2; Lzm-s1; AI326280
NCBI Protein Information	lysozyme C-2
UniProt Protein Name	Lysozyme C-2
UniProt Gene Name	Lyz2
UniProt Synonym Gene Names	Lyz; Lyzs

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.