

Human Lysozyme C (LYZ) ELISA Kit | LYZ elisa kit

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CATALOG #
AAA331908

REACTIVITY
Human

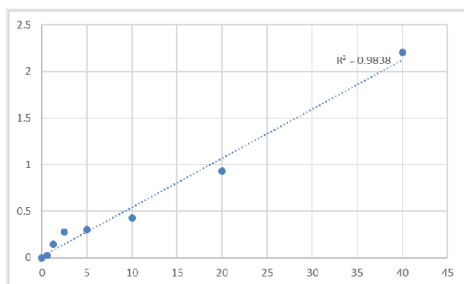
PRODUCT SYNONYMS

Lysozyme C (LYZ); Human Lysozyme C (LYZ) ELISA Kit; LYZ; LZM; lysozyme; 1; 4-beta-N-acetylmuramidase C; lysozyme C; LYZ elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Lysozyme C (LYZ) ELISA Kit has high sensitivity and excellent specificity for detection of Human LYZ. No significant cross-reactivity or interference between Human LYZ and analogues was observed.
Sequence Length	148
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Lysozyme C (LYZ) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for LYZ elisa kit	Description: This Human Lysozyme C (LYZ) ELISA Kit employs a two-site sandwich ELISA to quantitate LYZ in samples. An antibody specific for LYZ has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any LYZ present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LYZ is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of LYZ bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: This gene encodes human lysozyme, whose natural substrate is the bacterial cell wall peptidoglycan (cleaving the beta[1-5]glycosidic linkages between N-acetylmuramic acid and N-acetylglucosamine). Lysozyme is one of the anti-microbial agents found in human milk, and is also present in spleen, lung, kidney, white blood cells, plasma, saliva, and tears. Missense mutations in LYZ have been identified in heritable renal amyloidosis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	48428995
NCBI GeneID	4069
UniProt Accession #	P61626
NCBI Official Full Name	Lysozyme C
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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/lysozyme-c-lyz/331908>