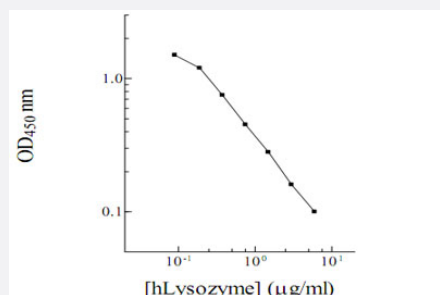


LYZ (Human) ELISA Kit

Catalog # KA1042 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	LYZ (Human) ELISA Kit is a competitive enzyme immunoassay for the quantitative measurement of human LYZ.
Suitable Sample	Milk
Sample Volume	25 µL
Label	Peroxidase-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	0.0469 to 3.0 µg/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Quality Control Testing	Standard curve The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Storage Instruction

Store SP Conjugate at -20°C.

Store Standard and Biotinylated protein at 2-8°C before reconstituting with Diluent and at -20°C after reconstituting with Diluent.

Store all other components at 4°C.

Applications

- Quantification

Gene Info — LYZ

Entrez GeneID [4069](#)

Gene Name LYZ

Gene Alias LZM

Gene Description lysozyme (renal amyloidosis)

Omim ID [105200](#) [153450](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes human lysozyme, whose natural substrate is the bacterial cell wall peptidoglycan (cleaving the beta[1-4]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. [provided by RefSeq]

Other Designations 1,4-beta-N-acetylmuramidase C|lysozyme|lysozyme C

Publication Reference

- [Comprehensive assessment of milk composition in transgenic cloned cattle.](#)

Zhang R, Guo C, Sui S, Yu T, Wang J, Li N.

PLoS One 2012 Nov; 7(11):e49697.

Application: Quant, Bovine, Colostrum, Milk samples

- [Salivary lysozyme and prevalent hypertension.](#)

Qvarnstrom M, Janket S, Jones JA, Nuutinen P, Baird AE, Nunn ME, Van Dyke TE, Meurman JH.

Journal of Dental Research 2008 May; 87(5):480.

Application: Quant, Human, Saliva from consecutive cardiac patients

- [The extracellular chaperone clusterin potently inhibits human lysozyme amyloid formation by interacting with prefibrillar species.](#)

Kumita JR, Poon S, Caddy GL, Hagan CL, Dumoulin M, Yerbury JJ, Stewart EM, Robinson CV, Wilson MR, Dobson CM.

Journal of Molecular Biology 2007 May; 369(1):157.

Application: Quant, Recombinant protein

- [Simulations of human lysozyme: probing the conformations triggering amyloidosis.](#)

Moraitakis G, Goodfellow JM.

Biophysical Journal 2003 Apr; 84(4):2149.

Disease

- [Chorioamnionitis](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Obstetric Labor](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)