

Human Lactamase Beta (LACTb) ELISA Kit | LACTb elisa kit

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CATALOG #
AAA64903

REACTIVITY
Human

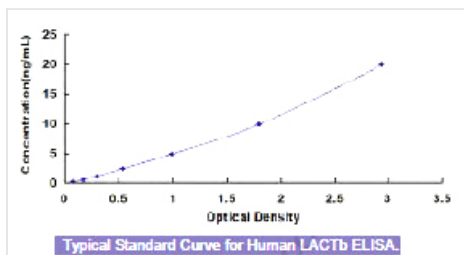
PRODUCT SYNONYMS

Lactamase Beta (LACTb); Human Lactamase Beta (LACTb) ELISA Kit; G24; MRPL56; Mitochondrial Ribosomal Protein L56; Serine beta-lactamase-like protein LACTb; mitochondrial; LACTb elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of LACTb. No significant cross-reactivity or interference between LACTb and analogues was observed.
Sequence Length	332
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.093ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LACTb 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 LACTb 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 LACTb elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of LACTb in human tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to LACTb. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to LACTb. 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 LACTb, 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 LACTb 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 #	568384811
NCBI GeneID	114294
NCBI Accession #	NP_001275514.1
NCBI GenBank Nucleotide #	NM_001288585.1
UniProt Accession #	P83111; P83096
Molecular Weight	41,239 Da
NCBI Official Full Name	serine beta-lactamase-like protein LACTB, mitochondrial isoform c
NCBI Official Synonym Full Names	lactamase beta
NCBI Official Symbol	LACTB
NCBI Official Synonym Symbols	G24; MRPL56
NCBI Protein Information	serine beta-lactamase-like protein LACTB, mitochondrial
UniProt Protein Name	Serine beta-lactamase-like protein LACTB, mitochondrial
UniProt Gene Name	LACTB
UniProt Synonym Gene Names	MRPL56

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.