

Human Liver Expressed Antimicrobial Peptide 2 ELISA Kit | LEAP2 elisa kit

Human Liver Expressed Antimicrobial Peptide 2 (LEAP2) (Sandwich ELISA) ELISA Kit

CATALOG #
AAA189957

REACTIVITY
Human

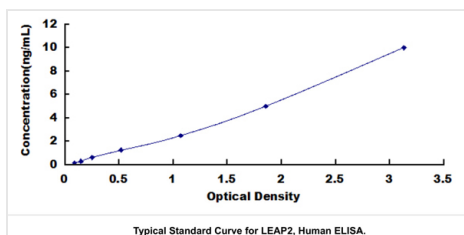
PRODUCT SYNONYMS

Liver Expressed Antimicrobial Peptide 2; Human Liver Expressed Antimicrobial Peptide 2 (LEAP2) (Sandwich ELISA) ELISA Kit; ELISA Kit for Liver Expressed Antimicrobial Peptide 2 (LEAP2); LEAP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of LEAP2. No significant cross-reactivity or interference between LEAP2 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.054ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LEAP2 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 LEAP2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LEAP2 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to LEAP2. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to LEAP2. 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 LEAP2, 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 LEAP2 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of LEAP2 in human tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for LEAP2 elisa kit	Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	16418465
NCBI GeneID	116842
NCBI Accession #	NP_443203.1
NCBI GenBank Nucleotide #	NM_052971.2
UniProt Accession #	Q969E1; D3DQ91
Molecular Weight	8,814 Da
NCBI Official Full Name	liver-expressed antimicrobial peptide 2
NCBI Official Synonym Full Names	liver expressed antimicrobial peptide 2
NCBI Official Symbol	LEAP2
NCBI Official Synonym Symbols	LEAP-2
NCBI Protein Information	liver-expressed antimicrobial peptide 2
UniProt Protein Name	Liver-expressed antimicrobial peptide 2
UniProt Gene Name	LEAP2
UniProt Entry Name	LEAP2_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.