

Rat Liver-expressed antimicrobial peptide 2 (LEAP2) ELISA Kit | LEAP2 elisa kit

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CATALOG #
AAA27215

REACTIVITY
Rat

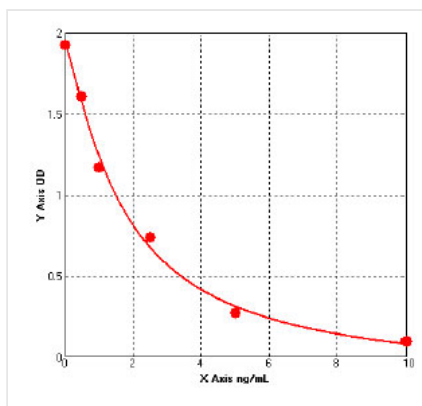
PRODUCT SYNONYMS

Liver-expressed antimicrobial peptide 2 (LEAP2); Rat Liver-expressed antimicrobial peptide 2 (LEAP2) ELISA Kit; LEAP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between LEAP2 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LEAP2 elisa kit	Principle of the Assay: LEAP2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-LEAP2 antibody and an LEAP2-HRP conjugate. The assay sample and buffer are incubated together with LEAP2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the LEAP2 concentration since LEAP2 from samples and LEAP2-HRP conjugate compete for the anti-LEAP2 antibody binding site. Since the number of sites is limited, as more sites are occupied by LEAP2 from the sample, fewer sites are left to bind LEAP2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LEAP2 concentration in each sample is interpolated from this standard curve. Intended Uses: This LEAP2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat LEAP2. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for LEAP2 elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	16418465
NCBI GeneID	116842
NCBI Accession #	NP_443203.1
NCBI GenBank Nucleotide #	NM_052971.2
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 Synonym Gene Names	LEAP-2
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.

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Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/liver-expressed-antimicrobial-peptide-2-leap2/27215>