

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

Mouse Liver-expressed antimicrobial peptide 2 (LEAP2) ELISA Kit

CATALOG #  
**AAA27312**

REACTIVITY  
**Mouse**

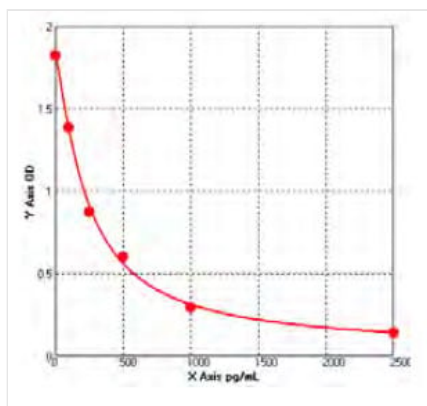
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                                                                                                                                                                                                                       |
| 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. |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                                  |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                                    |
| Sensitivity             | 1.0 pg/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 | <p>Intended Uses: This LEAP2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse LEAP2. This ELISA kit for research use only, not for therapeutic or test applications!</p> <p>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.</p> |
| 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/mouse-elisa-kits/liver-expressed-antimicrobial-peptide-2-leap2/27312>