

## Human Platin-2 ELISA Kit | LCP1 elisa kit

Human Platin-2 (LCP1) ELISA Kit

|                              |                            |
|------------------------------|----------------------------|
| CATALOG #<br><b>AAA55683</b> | REACTIVITY<br><b>Human</b> |
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### PRODUCT SYNONYMS

Platin-2; Human Platin-2 (LCP1) ELISA Kit; LCP1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                 |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Human PAI-1. No significant cross-reactivity or interference between Human PAI-1 and analogues was observed.               |
| Sequence Length         | 627                                                                                                                                                                                                   |
| Samples                 | Serum, Plasma, Tissue Homogenates And Other Biological Fluids                                                                                                                                         |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                                 |
| Detection Range         | 0.94 ng/mL-60 ng/mL                                                                                                                                                                                   |
| Sensitivity             | 0.31 ng/mL (mean of 6 independent assays).                                                                                                                                                            |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%                      |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12% |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                |

### ADDITIONAL INFORMATION

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| Related Product Information for LCP1 elisa kit | <p>Intended Uses: For the quantitative detection of Human Plasminogen activator inhibitor 1 (PAI-1) concentration in serum, plasma, tissue homogenates and other biological fluids.</p> <p>Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate PAI-1 in Human serum, plasma, tissue homogenates. An antibody specific for PAI-1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PAI-1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PAI-1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PAI-1 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> |
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### NCBI AND UNIPROT INFORMATION

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|---------------------------|--------------------------------|
| NCBI GI #                 | 167614506                      |
| NCBI GeneID               | 3936                           |
| NCBI Accession #          | NP_002289.2                    |
| NCBI GenBank Nucleotide # | NM_002298.4                    |
| UniProt Accession #       | P13796; Q5TBN4; B2R613; B4DUA0 |

|                                         |                                             |
|-----------------------------------------|---------------------------------------------|
| <b>Molecular Weight</b>                 | 21,792 Da                                   |
| <b>NCBI Official Full Name</b>          | plastin-2                                   |
| <b>NCBI Official Synonym Full Names</b> | lymphocyte cytosolic protein 1              |
| <b>NCBI Official Symbol</b>             | LCP1                                        |
| <b>NCBI Official Synonym Symbols</b>    | LPL; CP64; PLS2; LC64P; HEL-S-37; L-PLASTIN |
| <b>NCBI Protein Information</b>         | plastin-2                                   |
| <b>UniProt Protein Name</b>             | Plastin-2                                   |
| <b>UniProt Gene Name</b>                | <b>LCP1</b>                                 |
| <b>UniProt Synonym Gene Names</b>       | PLS2; LCP-1                                 |

**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/lcp1-human-elisa-kits/plastin-2/55683>