



Human Plastin-2(LCP1) ELISA kit

Product Code	CSB-EL012824HU
Abbreviation	LCP1
Uniprot No.	P13796
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates.
Detection Range	15.6 pg/ml-1000 pg/ml.
Sensitivity	3.9 pg/ml
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Signal Transduction
Gene Names	LCP1
Tag Info	quantitative
Protein Description	Sandwich

Description

CUSABIO's human plastin-2 (LCP1) ELISA kit is an in vitro enzyme-linked immunosorbent assay for quantitatively measuring human LCP1 in serum, plasma, or tissue homogenates. This assay uses the sandwich enzyme immunoassay technique in combination with the enzyme-substrate chromogenic reaction to quantify the analyte in the sample. The color develops positively to the amount of LCP1 in samples. The color intensity is measured at 450 nm via a microplate reader.

LCP1, alternatively referred to as LPL, is a Ca^{2+} - and actin-binding protein expressed exclusively in myeloid lineage cells, including macrophages and lymphocytes. LPL plays an important role in macrophage functions such as host defense against bacterial infections. LPL is known to be required for T cell activation and motility. It is also involved in osteoclastogenesis and bone resorption. Its phosphorylation promotes the formation of sealing rings in osteoclasts in the early phase via the actin-bundling process, and its inhibition leads to substantially compromised bone resorption in vitro. Abnormal expression of LPL has been found in multiple nonhematopoietic cancer cells. Overexpression of LPL is associated with cancer invasion and metastasis.

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