

# Human LIM domain-binding protein 1 (LDB1) ELISA Kit

Catalog No: #EK10140

Package Size: #EK10140-1 48T #EK10140-2 96T

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## Description

Product Name	Human LIM domain-binding protein 1 (LDB1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	CLIM2; NLI; LIM domain-binding factor-1 carboxy terminal LIM domain protein 2
Accession No.	Q86U70
Uniprot	Q86U70
GeneID	8861;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

## Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.061 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate LDB1 in samples. An antibody specific for LDB1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyLDB1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LDB1 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 LDB1 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:CLIM1 and CLIM2 have a very high level of identity to each other and to the homologs in other species.CLIM2 encodes a 375-amino acid protein.human LMO2 interacted with human BEX2. Electrophoretic mobility shift assays showed that BEX2 and LMO2 were part of a DNA-binding complex that recognized the E-box element. Other components of this complex included NSCL2 (NHLH2) and LDB1. LDB1 associated with a complex containing LMO4, CTIP, and BRCA1 in transfected human embryonic kidney cells.LDB1 was consistently enriched in the superior temporal gyrus posterior temporal cortex, and perisylvian cortex. LDB1 may be involved in asymmetric patterning of the developing human cortex.

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Note: This product is for in vitro research use only