

# Human Leukemia-associated protein 1 (DLEU1) ELISA Kit



Catalog No: #EK10631

Orders: order@signalwayantibody.com

Package Size: #EK10631-1 48T #EK10631-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Human Leukemia-associated protein 1 (DLEU1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	RP11-175B12.1; BCMS; DLB1; DLEU2; LEU1; LEU2; MGC22430; NCRNA00021; XTP6;
Accession No.	O43261
Uniprot	O43261
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:Request Information

Sensitivity:Request Information

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 DLEU1 in samples. An antibody specific for DLEU1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDLEU1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DLEU1 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 DLEU1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Deletion of chromosome 13q14 is the most frequent genetic aberration in B-cell chronic lymphocytic leukemia (CLL), found in more than 50% of cases, indicating that this region contains a gene(s) involved in the development of CLL.DLEU7, located adjacent to the consensus deleted region, and overlapping the 3' end of DLEU1 tail to tail. Human DLEU7 encodes a putative 221 amino acid protein, with significant conservation in rodents. Mutational and expression analysis in primary CLL samples failed to demonstrate any specific mutations in DLEU7, but no DLEU7 expression could be detected in CLL cells. Methylation of a CpG island in the promoter region of DLEU7 was further analyzed as a possible mechanism for the absence of DLEU7 expression, and the promoter was found to be methylated in the majority of the CLL samples investigated.

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Note: This product is for in vitro research use only