

Human Leukocyte cell derived chemotaxin 1 (LECT1) ELISA Kit



Catalog No: #EK10125

Orders: order@signalwayantibody.com

Package Size: #EK10125-1 48T #EK10125-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Leukocyte cell derived chemotaxin 1 (LECT1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	RP11-93H24.1; BRICD3; CHM-I; CHM1; BRICHOS domain containing 3 chondromodulin I
Accession No.	O75829
Uniprot	O75829
GeneID	11061;
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:31.25-2000 pg/mL

Sensitivity:12.8 pg/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 LECT1 in samples. An antibody specific for LECT1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyLECT1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LECT1 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 LECT1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**LECT1 is a glycosylated transmembrane protein that is cleaved to form a mature, secreted protein. The N-terminus of the precursor protein shares characteristics with other surfactant proteins and is sometimes called chondrosurfactant protein although no biological activity has yet been defined for it. The C-terminus of the precursor protein contains a 25 kDa mature protein called leukocyte cell-derived chemotaxin-1 or chondromodulin-1. The mature protein promotes chondrocyte growth and inhibits angiogenesis. LECT1 expressed in the avascular zone of prehypertrophic cartilage and its expression decreases during chondrocyte hypertrophy and vascular invasion. The mature protein likely plays a role in endochondral bone development by permitting cartilaginous anlagen to be vascularized and replaced by bone.

Note: This product is for in vitro research use only