Human Lung specific X protein (LUNX) ELISA Kit

Catalog No: #EK8424

Package Size: #EK8424-1 48T #EK8424-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Human Lung specific X protein (LUNX) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	LPLUNC3; LUNX; NASG; SPLUNC1; SPURT; bA49G10.5; OTTHUMP00000030627|ligand-binding protein RYA3|nasopharyngeal carcinoma-related protein|secretory protein in upper respiratory tracts|tracheal epithel
Accession No.	Q9NP55
Uniprot	Q9NP55
GeneID	51297;
Storage	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. 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).

Application Details

Detect Range:0.312-20 ng/mL

Sensitivity:0.135 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 PLUNC in samples. An antibody specific for PLUNC has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPLUNC present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PLUNC 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 PLUNC bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:PLUNC is the human homolog of murine plunc, and like the mouse gene, is specifically expressed in the upper airways and nasopharyngeal regions. The exact biological function of this gene is not known, however, it has been suggested to be involved in inflammatory responses to irritants in the upper airways. It may also serve as a potential molecular marker for detection of micrometastasis in non-small-cell lung cancer. Multiple transcript variants resulting from alternative splicing in the 3' UTR have been detected, but the full-length nature of only two is known.The cDNA encodes a leucine-rich protein of 256 amino acids that is 72% identical to the murine protein. within the human PLUNC family, amino acid sequence identity is low, ranging from 16 to 28%.

Note: This product is for in vitro research use only