

Human Leukocyte-associated immunoglobulin-like receptor 2 (LAIR2) ELISA Kit

Catalog No: #EK10163

Orders: order@signalwayantibody.com

Package Size: #EK10163-1 48T #EK10163-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Leukocyte-associated immunoglobulin-like receptor 2 (LAIR2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	XXbac-BCX535A19.6; CD306; MGC71634; leukocyte-associated Ig-like receptor 2 leukocyte-associated Ig-like receptor-2
Accession No.	Q6ISS4
Uniprot	Q6ISS4
GeneID	3904;
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:15.6-1000 pg/mL

Sensitivity:6.4 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:Sandwich Test principle:This assay employs a two-site sandwich ELISA to quantitate LAIR2 in samples. An antibody specific for LAIR2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any LAIR2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LAIR2 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 LAIR2 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:LAIR 2 is a member of the immunoglobulin superfamily. It was identified by its similarity to LAIR1, an inhibitory receptor present on mononuclear leukocytes. This gene maps to a region of 19q13.4, termed the leukocyte receptor cluster, which contains 29 genes in the immunoglobulin superfamily, including LAIR1.

The function of this protein is unknown, although it is thought to be secreted and may help modulate mucosal tolerance. Two transcript variants encoding different isoforms have been found for this gene. By screening a human T-cell cDNA library, Meyaard et al. isolated a LAIR2 cDNA. The predicted LAIR2 protein contains 1 immunoglobulin-like domain, which is 84% homologous to that of LAIR1; it lacks both a transmembrane and a cytoplasmic domain, and therefore the authors suggested that it is secreted.

Note: This product is for in vitro research use only