

Human Leukocyte immunoglobulin-like receptor subfamily A member 3 (LILRA3) ELISA Kit



Catalog No: #EK10082

Orders: order@signalwayantibody.com

Package Size: #EK10082-1 48T #EK10082-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Leukocyte immunoglobulin-like receptor subfamily A member 3 (LILRA3) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	CD85E; HM31; HM43; ILT6; LIR-4; LIR4; e3; leucocyte immunoglobulin-like receptor leukocyte immunoglobulin-like receptor 4 leukocyte immunoglobulin-like receptor A3
Accession No.	Q8N6C8
Uniprot	Q8N6C8
GeneID	11026;
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:0.124 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 LILRA3 in samples. An antibody specific for LILRA3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyLILRA3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LILRA3 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 LILRA3 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Leukocyte Ig-like receptors (LIRs) are a family of immunoreceptors expressed predominantly on monocytes and B cells and at lower levels on dendritic cells and natural killer (NK) cells. All LIRs in subfamily B have an inhibitory function . LIRs in subfamily A, with short cytoplasmic domains lacking an immunoreceptor tyrosine-based inhibitory motif (ITIM) and with transmembrane regions containing a charged arginine residue, may initiate stimulatory cascades .

Acts as soluble receptor for class I MHC antigens. Binds both classical and non-classical HLA class I molecules but with reduced affinities compared to LILRB1 or LILRB2. Binds with high affinity to the surface of monocytes, leading to abolish LPS-induced TNF-alpha production by monocytes.

Note: This product is for in vitro research use only