

# Human Leukocyte immunoglobulin-like receptor subfamily B member 5 (LILRB5) ELISA Kit



Catalog No: #EK10080

Orders: order@signalwayantibody.com

Package Size: #EK10080-1 48T #EK10080-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Human Leukocyte immunoglobulin-like receptor subfamily B member 5 (LILRB5) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	XXbac-BCX105G6.10; CD85C; LIR-8; LIR8; leukocyte immunoglobulin-like receptor 8 leukocyte immunoglobulin-like receptor; subfamily B; member 5
Accession No.	O75023
Uniprot	O75023
GeneID	10990;
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:0.156-10 ng/mL

Sensitivity:0.057 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 LILRB5 in samples. An antibody specific for LILRB5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyLILRB5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LILRB5 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 LILRB5 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Leukocyte immunoglobulin-like receptor subfamily B member 4is a member of the leukocyte immunoglobulin-like receptor (LIR) family, which is found in a gene cluster at chromosomal region 19q13.4. The encoded protein belongs to the subfamily B class of LIR receptors which contain two or four extracellular immunoglobulin domains, a transmembrane domain, and two to four cytoplasmic immunoreceptor tyrosine-based inhibitory motifs (ITIMs).

The receptor is expressed on immune cells where it binds to MHC class I molecules on antigen-presenting cells and transduces a negative signal that inhibits stimulation of an immune response. The receptor can also function in antigen capture and presentation. It is thought to control inflammatory responses and cytotoxicity to help focus the immune response and limit autoreactivity.

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Note: This product is for in vitro research use only