

Human LILRB5/CD85c/LIR-8 ELISA Kit | LILRB5 elisa kit

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CATALOG #
AAA125836

REACTIVITY
Human

PRODUCT SYNONYMS

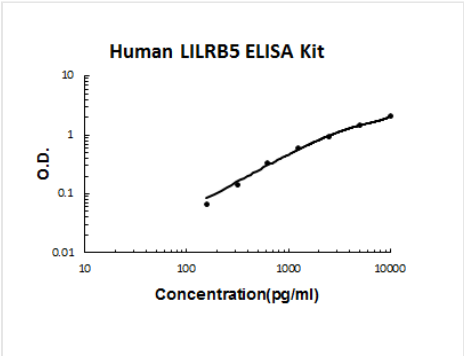
LILRB5/CD85c/LIR-8; Human LILRB5/CD85c/LIR-8 ELISA Kit; LIR8; CD85C; LIR-8; leukocyte immunoglobulin like receptor B5; LILRB5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human LILRB5
Samples	cell culture supernatants, serum and plasma (heparin, EDTA, citrate)
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	<15pg/ml
Capture/Detection Antibodies	Capture antibody- a polyclonal antibody from goat Detection antibody- a biotinylated polyclonal antibody from goat
Sample Data	Concentration(pg/ml) 0 156 312 625 1250 2500 5000 10000 O.D. 0.017 0.085 0.162 0.354 0.607 0.952 1.473 2.089
Intra-Assay Precision	Sample 1 2 3 n 16 16 16 Mean(pg/ml) 316 1622 4807 Standard deviation 18.33 72.99 293.23 CV(%) 5.8% 4.5% 6.1%
Inter-Assay Precision	Sample 1 2 3 n 24 24 24 Mean(pg/ml) 329 1719 5032 Standard deviation 25.33 147.83 367.34 CV(%) 7.7% 8.6% 7.3%
Reproducibility	To assay reproducibility, three samples with differing target protein concentrations were assayed using four different lots. Lots: Lot 1 (pg/ml) Lot 2 (pg/ml) Lot 3 (pg/ml) Lot 4 (pg/ml) Mean (pg/ml) Standard Deviation CV (%) Sample 1: 316 297 305 322 310 19.22 5.2% Sample 2: 1622 1529 1646 1531 1582 96.50 6.1% Sample 3: 4807 4976 4716 4921 4855 398.11 8.2% *number of samples for each test n=16.
Cross Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Immunogen	Expression system for standard: NS0; Immunogen sequence: G24-G458
Anticoagulant	heparin, EDTA or citrate
Principle	Human LILRB5 ELISA Kit is based on standard sandwich enzyme-linked immune-sorbent assay technology. A polyclonal antibody from goat specific for LILRB5 has been precoated onto 96-well plates. Standards(Expression system for standard: NS0, Immunogen sequence: G24-G458) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for LILRB5 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex is added and unbound conjugates are washed away with PBS or TBS buffer. HRP substrate TMB are used to visualize HRP enzymatic reaction. TMB is catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human LILRB5 amount of sample captured in plate.

Assay Procedure Step 1	Aliquot 0.1ml per well of the 10000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml, 156pg/ml human LILRB5 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernatants, serum or plasma(heparin, EDTA, citrate) to each empty well. See "Sample Dilution Guideline" for details. It is recommended that each human LILRB5 standard solution and each sample be measured in duplicate.
TMB Incubation Time	15-20
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles. (Shipped with wet ice.)

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for LILRB5 elisa kit	This gene is 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). Several other LIR subfamily B receptors are expressed on immune cells where they bind to MHC class I molecules on antigen-presenting cells and inhibit stimulation of an immune response. Multiple transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for LILRB5 elisa kit	ELISA kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	125987591
NCBI GeneID	10990
NCBI Accession #	NP_001074911
NCBI GenBank Nucleotide #	NM_001081442
UniProt Accession #	O75023; Q8N760
Molecular Weight	64,197 Da
NCBI Official Full Name	leukocyte immunoglobulin-like receptor subfamily B member 5 isoform 1
NCBI Official Synonym Full Names	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 5
NCBI Official Symbol	LILRB5
NCBI Official Synonym Symbols	LIR8; CD85C; LIR-8
NCBI Protein Information	leukocyte immunoglobulin-like receptor subfamily B member 5; CD85 antigen-like family member C; leukocyte immunoglobulin-like receptor 8

UniProt Protein Name	Leukocyte immunoglobulin-like receptor subfamily B member 5
UniProt Gene Name	LILRB5
UniProt Synonym Gene Names	LIR8; LIR-8
UniProt Entry Name	LIRB5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/lilrb5-cd85c-lir-8/125836>