

Human LILRB2 ELISA Kit | LILRB2 elisa kit

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CATALOG #
AAA125844

REACTIVITY
Human

PRODUCT SYNONYMS

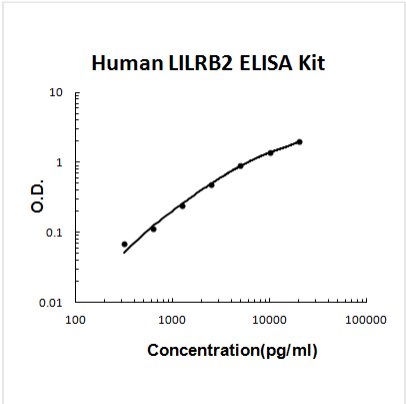
LILRB2; Human LILRB2 ELISA Kit; Leukocyte immunoglobulin-like receptor subfamily B member 2; LIR-2; Leukocyte immunoglobulin-like receptor 2; CD85 antigen-like family member D; Immunoglobulin-like transcript 4; ILT-4; Monocyte/macrophage immunoglobulin-like receptor 10; MIR-10; CD85d; ILT4; LIR2; MIR10; leukocyte immunoglobulin like receptor B2; LILRB2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human LILRB2
Samples	cell culture supernatants, serum and plasma (heparin, EDTA, citrate)
Detection Range	312pg/ml-20,000pg/ml
Sensitivity	<50pg/ml
Capture/Detection Antibodies	Capture antibody- a monoclonal antibody from mouse Detection antibody- a biotinylated polyclonal antibody from goat
Sample Data	Concentration(pg/ml) 0 312 625 1250 2500 5000 10000 20000 O.D. 0.055 0.125 0.169 0.299 0.545 0.956 1.437 2.064
Intra-Assay Precision	Sample 1 2 3 n 16 16 16 Mean(pg/ml) 384 2313 8445 Standard deviation 17.28 131.84 388.47 CV(%) 4.5% 5.7% 4.6%
Inter-Assay Precision	Sample 1 2 3 n 24 24 24 Mean(pg/ml) 492 2436 9458 Standard deviation 25.09 143.72 699.89 CV(%) 5.1% 5.9% 7.4%
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: 384 401 375 392 388 9.61 2.4% Sample 2: 2313 1997 2156 1982 2112 134.59 6.3% Sample 3: 8445 7435 7826 7234 7735 461.89 5.9% *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: Q22-V461
Anticoagulant	heparin, EDTA or citrate

Principle	Human LILRB2 ELISA Kit is based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for LILRB2 has been precoated onto 96-well plates. Standards(Expression system for standard: NS0, Immunogen sequence: Q22-V461) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for LILRB2 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 LILRB2 amount of sample captured in plate.
Assay Procedure Step 1	Aliquot 0.1ml per well of the 20000pg/ml, 10000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml human LILRB2 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. We recommended that each human LILRB2 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



Standard Curve (Sample)
Human LILRB2 ELISA Kit Standard Curve

ADDITIONAL INFORMATION

Related Product Information for LILRB2 elisa kit	Leukocyte immunoglobulin-like receptor subfamily B member 2 (LILRB2) is also known as CD85 antigen-like family member D (CD85d), Immunoglobulin-like transcript 4 (ILT-4), Monocyte / macrophage immunoglobulin-like receptor 10 (MIR-10), which is a member of the the subfamily B class of LIR receptors. LILRB2 is receptor for class I MHC antigens. LILRB2 recognizes a broad spectrum of HLA-A, HLA-B, HLA-C and HLA-G alleles. LILRB2 competes with CD8A for binding to class I MHC antigens. LILRB2 / CD85d inhibits FCGR1A-mediated phosphorylation of cellular proteins and mobilization of intracellular calcium ions.
Product Categories/Family for LILRB2 elisa kit	ELISA kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	125988400
NCBI GeneID	10288
NCBI Accession #	NP_005865.2
NCBI GenBank Nucleotide #	NM_005874.3
UniProt Accession #	Q8N423; O75017; Q8NHJ7; Q8NHJ8
Molecular Weight	65,039 Da

NCBI Official Full Name	leukocyte immunoglobulin-like receptor subfamily B member 2 isoform 1
NCBI Official Synonym Full Names	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 2
NCBI Official Symbol	LILRB2
NCBI Official Synonym Symbols	ILT4; LIR2; CD85D; ILT-4; LIR-2; MIR10; MIR-10
NCBI Protein Information	leukocyte immunoglobulin-like receptor subfamily B member 2; Ig-like transcript 4; CD85 antigen-like family member D; monocyte/macrophage immunoglobulin-like receptor 10
UniProt Protein Name	Leukocyte immunoglobulin-like receptor subfamily B member 2
UniProt Gene Name	LILRB2
UniProt Synonym Gene Names	ILT4; LIR2; MIR10; LIR-2; Leukocyte immunoglobulin-like receptor 2; ILT-4; MIR-10
UniProt Entry Name	LIRB2_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/lilrb2/125844>