

Human LILRA5/CD85f ELISA Kit | LILRA5 elisa kit

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CATALOG #
AAA125835

REACTIVITY
Human

PRODUCT SYNONYMS

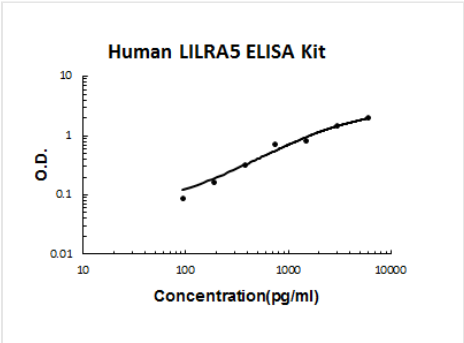
LILRA5/CD85f; Human LILRA5/CD85f ELISA Kit; CD85; LIR9; CD85F; ILT11; LIR-9; ILT-11; LILRB7; leukocyte immunoglobulin like receptor A5; LILRA5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human LILRA5
Samples	cell culture supernatants, serum and plasma (heparin, EDTA, citrate)
Detection Range	93.7pg/ml-6,000pg/ml
Sensitivity	<10pg/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 93.7 187.5 375 750 1500 3000 6000 O.D. 0.047 0.135 0.212 0.364 0.759 0.878 1.531 2.029
Intra-Assay Precision	Sample 1 2 3 n 16 16 16 Mean(pg/ml) 135 927 3289 Standard deviation 7.02 63.96 200.62 CV(%) 5.2% 6.9% 6.1%
Inter-Assay Precision	Sample 1 2 3 n 24 24 24 Mean(pg/ml) 148 896 2885 Standard deviation7.99 71.68 222.14 CV(%) 5.4% 8% 7.7%
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: 135 164 158 154 153 8.57 5.6% Sample 2: 927 981 964 939 953 60.99 6.4% Sample 3: 3289 3116 3572 3284 3315 291.72 8.8% *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: G42-R299
Anticoagulant	heparin, EDTA or citrate
Principle	Human LILRA5 ELISA Kit is based on standard sandwich enzyme-linked immune-sorbent assay technology. A polyclonal antibody from goat specific for LILRA5 has been precoated onto 96-well plates. Standards(Expression system for standard: NS0, Immunogen sequence: G42-R299) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for LILRA5 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 LILRA5 amount of sample captured in plate.

Assay Procedure Step 1	Aliquot 0.1ml per well of the 6000pg/ml, 3000pg/ml, 1500pg/ml, 750pg/ml, 375pg/ml, 187.5pg/ml, 93.7pg/ml human LILRA5 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 LILRA5 standard solution and each sample be measured in duplicate.
TMB Incubation Time	25-30
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 LILRA5 elisa kit	The protein encoded by this gene is a member of the leukocyte immunoglobulin-like receptor (LIR) family. LIR family members are known to have activating and inhibitory functions in leukocytes. Crosslink of this receptor protein on the surface of monocytes has been shown to induce calcium flux and secretion of several proinflammatory cytokines, which suggests the roles of this protein in triggering innate immune responses. This gene is one of the leukocyte receptor genes that form a gene cluster on the chromosomal region 19q13. 4. Four alternatively spliced transcript variants encoding distinct isoforms have been described.
Product Categories/Family for LILRA5 elisa kit	ELISA kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	32490553
NCBI GeneID	353514
NCBI Accession #	NP_067073.1
NCBI GenBank Nucleotide #	NM_021250.3
UniProt Accession #	A6NI73; A6NHI3
Molecular Weight	31,538 Da
NCBI Official Full Name	leukocyte immunoglobulin-like receptor subfamily A member 5 isoform 1
NCBI Official Synonym Full Names	leukocyte immunoglobulin like receptor A5
NCBI Official Symbol	LILRA5
NCBI Official Synonym Symbols	CD85; LIR9; CD85F; ILT11; LIR-9; ILT-11; LILRB7
NCBI Protein Information	leukocyte immunoglobulin-like receptor subfamily A member 5
UniProt Protein Name	Leukocyte immunoglobulin-like receptor subfamily A member 5

UniProt Gene Name	LILRA5
UniProt Synonym Gene Names	ILT11; LILRB7; LIR9; ILT-11; LIR-9

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://www.aaabiotech.com/human-elisa-kits/lilra5-cd85f/125835>