

Human LILRA3/CD85e ELISA Kit | LILRA3 elisa kit

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CATALOG #
AAA125834

REACTIVITY
Human

PRODUCT SYNONYMS

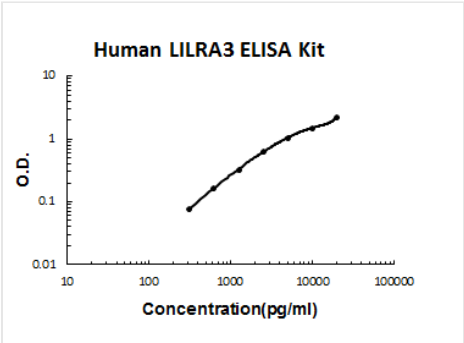
LILRA3/CD85e; Human LILRA3/CD85e ELISA Kit; HM31; HM43; ILT6; LIR4; CD85E; ILT-6; LIR-4; leukocyte immunoglobulin like receptor A3; LILRA3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human LILRA3
Samples	cell culture supernatants, serum and plasma (heparin, EDTA, citrate)
Detection Range	312pg/ml-20,000pg/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) 0 312 625 1250 2500 5000 10000 20000 O.D. 0.019 0.097 0.185 0.342 0.648 1.063 1.515 2.211
Intra-Assay Precision	Sample 1 2 3 n 16 16 16 Mean(pg/ml) 534 2702 8939 Standard deviation 26.17 154.01 688.30 CV(%) 4.9% 5.7% 7.7%
Inter-Assay Precision	Sample 1 2 3 n 24 24 24 Mean(pg/ml) 578 2835 9176 Standard deviation 41.62 238.14 835.02 CV(%) 7.2% 8.4% 9.1%
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: 534 575 581 544 559 31.86 5.7% Sample 2: 2702 2815 2838 2912 2817 174.65 6.2% Sample 3: 8939 9116 8672 9284 9003 783.26 8.7% *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-E439
Anticoagulant	heparin, EDTA or citrate
Principle	Human LILRA3 ELISA Kit is based on standard sandwich enzyme-linked immune-sorbent assay technology. A polyclonal antibody from goat specific for LILRA3 has been precoated onto 96-well plates. Standards(Expression system for standard: NS0, Immunogen sequence: G24-E439) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for LILRA3 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 LILRA3 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 LILRA3 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 LILRA3 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 LILRA3 elisa kit	This gene encodes a member of a family of immunoreceptors that are expressed predominantly in monocytes and B cells, and at lower levels in dendritic cells and natural killer cells. The encoded protein lacks the transmembrane region found in other members of this family. It acts as a soluble receptor for class I major histocompatibility complex (MHC) antigens. Alternatively spliced transcript variants encoding different isoforms have been found. This gene is located in a cluster of related genes on chromosome 19 and is polymorphic in human populations, with many individuals containing a deletion of this genomic region.
Product Categories/Family for LILRA3 elisa kit	ELISA kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	289547633
NCBI GeneID	11026
NCBI Accession #	NP_001166125.1
NCBI GenBank Nucleotide #	NM_001172654.2
UniProt Accession #	Q8N6C8; O15469; O15470; O75016; Q8N151; Q8N154; Q8NHJ1; Q8NHJ2; Q8NHJ3; Q8NHJ4; J3KPM2
Molecular Weight	49,187 Da
NCBI Official Full Name	leukocyte immunoglobulin-like receptor subfamily A member 3 isoform 2
NCBI Official Synonym Full Names	leukocyte immunoglobulin like receptor A3
NCBI Official Symbol	LILRA3
NCBI Official Synonym Symbols	HM31; HM43; ILT6; LIR4; CD85E; ILT-6; LIR-4
NCBI Protein Information	leukocyte immunoglobulin-like receptor subfamily A member 3
UniProt Protein Name	Leukocyte immunoglobulin-like receptor subfamily A member 3

UniProt Gene Name	LILRA3
UniProt Synonym Gene Names	ILT6; LIR4; ILT-6; LIR-4

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/lilra3-cd85e/125834>