

ARG82756 Human CD85j / LIR1 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82756-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82756-002	Standard	2 X 10 ng/vial	4°C
ARG82756-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82756-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82756-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82756-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82756-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82756-008	25X Wash buffer	20 ml	4°C
ARG82756-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82756-010	STOP solution	10 ml (Ready to use)	4°C
ARG82756-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82756 Human CD85j / LIR1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD85j / LIR1 in serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	CD85j / LIR1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	less than 30 pg/ml
Sample Type	Serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.3% Inter-Assay CV: 6.4%

Alternate Names	LIR-1; Leukocyte immunoglobulin-like receptor 1; ILT2; CD85 antigen-like family member J; Immunoglobulin-like transcript 2; LIR1; ILT-2; Leukocyte immunoglobulin-like receptor subfamily B member 1; Monocyte/macrophage immunoglobulin-like receptor 7; CD antigen CD85j; CD85J; MIR7; MIR-7
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Application Instructions

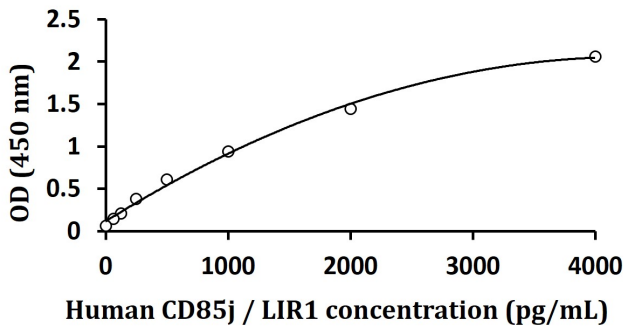
Assay Time	~ 5 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	LILRB1
Gene Full Name	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 1
Background	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). 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. It is thought to control inflammatory responses and cytotoxicity to help focus the immune response and limit autoreactivity. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Function	Receptor for class I MHC antigens. Recognizes a broad spectrum of HLA-A, HLA-B, HLA-C and HLA-G alleles. Receptor for H301/UL18, a human cytomegalovirus class I MHC homolog. Ligand binding results in inhibitory signals and down-regulation of the immune response. Engagement of LILRB1 present on natural killer cells or T-cells by class I MHC molecules protects the target cells from lysis. Interaction with HLA-B or HLA-E leads to inhibition of the signal triggered by FCER1A and inhibits serotonin release. Inhibits FCGR1A-mediated phosphorylation of cellular proteins and mobilization of intracellular calcium ions. [UniProt]
Highlight	Related products: CD85 antibodies ; CD85 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Phosphorylated on tyrosine residues. Dephosphorylated by PTPN6. [UniProt]
Cellular Localization	Cell membrane; Single-pass type I membrane protein. Isoform 5: Secreted. [UniProt]



ARG82756 Human CD85j / LIR1 ELISA Kit standard curve image

ARG82756 Human CD85j / LIR1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.
