

ARG81497 Human CD258 / LIGHT ELISA Kit

Package: 96 wells
Store at: 4°C

Component

| Cat. No. | Component Name | Package | Temp |
|--------------|---------------------------------------|----------------------|---|
| ARG81497-001 | Antibody-coated microplate | 8 X 12 strips | 4°C. Unused strips should be sealed tightly in the air-tight pouch. |
| ARG81497-002 | Standard | 2 X 10 ng/vial | 4°C |
| ARG81497-003 | Standard/Sample diluent | 30 ml (Ready to use) | 4°C |
| ARG81497-004 | Antibody conjugate concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG81497-005 | Antibody diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG81497-006 | HRP-Streptavidin concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG81497-007 | HRP-Streptavidin diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG81497-008 | 25X Wash buffer | 20 ml | 4°C |
| ARG81497-009 | TMB substrate | 10 ml (Ready to use) | 4°C (Protect from light) |
| ARG81497-010 | STOP solution | 10 ml (Ready to use) | 4°C |
| ARG81497-011 | Plate sealer | 4 strips | Room temperature |

Summary

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|---------------------|---|
| Product Description | ARG81497 Human CD258 / LIGHT ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD258 / LIGHT in serum, plasma (heparin, EDTA), saliva and cell culture supernatants. |
| Tested Reactivity | Hu |
| Tested Application | ELISA |
| Specificity | There is no detectable cross-reactivity with other relevant proteins. |
| Target Name | CD258 / LIGHT |
| Conjugation | HRP |
| Conjugation Note | Substrate: TMB and read at 450 nm. |
| Sensitivity | 15.6 pg/ml |
| Sample Type | Serum, plasma (heparin, EDTA), saliva and cell culture supernatants. |
| Standard Range | 31.2 - 2000 pg/ml |
| Sample Volume | 100 µl |

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| Precision | Intra-Assay CV: 5.3% Inter-Assay CV: 6.0% |
| Alternate Names | CD258; Herpes virus entry mediator ligand; HVEML; HVEM-L; Herpesvirus entry mediator ligand; LTg; LIGHT; CD antigen CD258; TR2; Tumor necrosis factor ligand superfamily member 14 |

Application Instructions

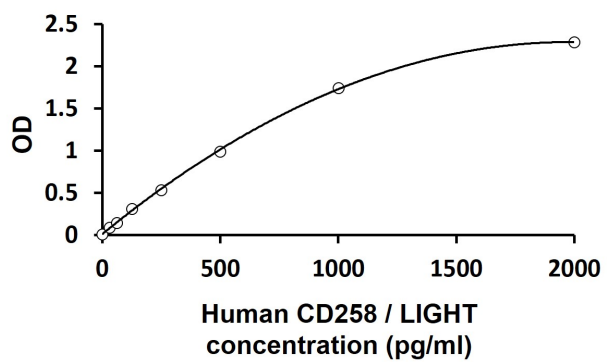
| | |
|------------|-----------|
| Assay Time | ~ 5 hours |
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Properties

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| 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

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|----------------|--|
| Gene Symbol | TNFSF14 |
| Gene Full Name | tumor necrosis factor (ligand) superfamily, member 14 |
| Background | The protein encoded by this gene is a member of the tumor necrosis factor (TNF) ligand family. This protein is a ligand for TNFRSF14, which is a member of the tumor necrosis factor receptor superfamily, and which is also known as a herpesvirus entry mediator (HVEM). This protein may function as a costimulatory factor for the activation of lymphoid cells and as a deterrent to infection by herpesvirus. This protein has been shown to stimulate the proliferation of T cells, and trigger apoptosis of various tumor cells. This protein is also reported to prevent tumor necrosis factor alpha mediated apoptosis in primary hepatocyte. Two alternatively spliced transcript variant encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008] |
| Function | Cytokine that binds to TNFRSF3/LTBR. Binding to the decoy receptor TNFRSF6B modulates its effects. Activates NFkB, stimulates the proliferation of T-cells, and inhibits growth of the adenocarcinoma HT-29. Acts as a receptor for Herpes simplex virus. [UniProt] |
| Highlight | Related products: CD258 antibodies ; CD258 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData |
| PTM | N-glycosylated. The soluble form of isoform 1 derives from the membrane form by proteolytic processing. [UniProt] |



ARG81497 Human CD258 / LIGHT ELISA Kit standard curve image

ARG81497 Human CD258 / LIGHT ELISA Kit results of a typical standard run with optical density reading at 450 nm.