

ARG82536 Human CLEC4C / BDCA2 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

| Cat. No. | Component Name | Package | Temp |
|--------------|---------------------------------------|----------------------|---|
| ARG82536-001 | Antibody-coated microplate | 8 X 12 strips | 4°C. Unused strips should be sealed tightly in the air-tight pouch. |
| ARG82536-002 | Standard | 2 X 10 ng/vial | 4°C |
| ARG82536-003 | Standard/Sample diluent | 30 ml (Ready to use) | 4°C |
| ARG82536-004 | Antibody conjugate concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG82536-005 | Antibody diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG82536-006 | HRP-Streptavidin concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG82536-007 | HRP-Streptavidin diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG82536-008 | 25X Wash buffer | 20 ml | 4°C |
| ARG82536-009 | TMB substrate | 10 ml (Ready to use) | 4°C (Protect from light) |
| ARG82536-010 | STOP solution | 10 ml (Ready to use) | 4°C |
| ARG82536-011 | Plate sealer | 4 strips | Room temperature |

Summary

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| Product Description | ARG82536 Human CLEC4C / BDCA2 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CLEC4C / BDCA2 in serum, plasma (EDTA, heparin, citrate) and cell culture supernatants. |
| Tested Reactivity | Hu |
| Tested Application | ELISA |
| Target Name | CLEC4C / BDCA2 |
| Conjugation | HRP |
| Conjugation Note | Substrate: TMB and read at 450 nm. |
| Sensitivity | 10 pg/ml |
| Sample Type | Serum, plasma (EDTA, heparin, citrate) and cell culture supernatants. |
| Standard Range | 15.6 - 1000 pg/ml |
| Sample Volume | 100 µl |
| Precision | Intra-Assay CV: 4.4% Inter-Assay CV: 6.7% |

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| Alternate Names | CD antigen CD303; BDCA-2; Blood dendritic cell antigen 2; Dendritic lectin; PRO34150; DLEC; C-type lectin domain family 4 member C; CLECSF7; CD303; CLECSF11; HECL; BDCA2; C-type lectin superfamily member 7 |
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Application Instructions

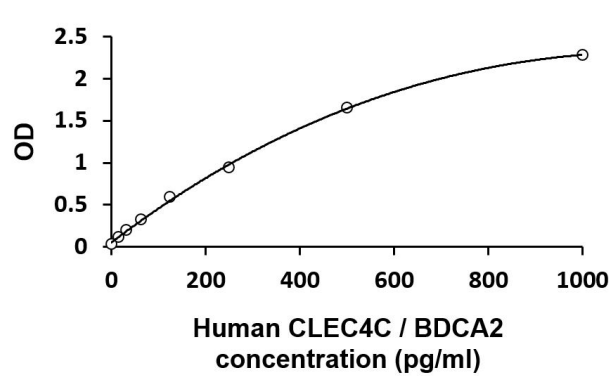
| | |
|------------|-----------|
| Assay Time | ~ 5 hours |
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Properties

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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 | CLEC4C |
| Gene Full Name | C-type lectin domain family 4, member C |
| Background | This gene encodes a member of the C-type lectin/C-type lectin-like domain (CTL/CTLD) superfamily. Members of this family share a common protein fold and have diverse functions, such as cell adhesion, cell-cell signalling, glycoprotein turnover, and roles in inflammation and immune response. The encoded type 2 transmembrane protein may play a role in dendritic cell function. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008] |
| Function | Involved in antigen-capturing. Target ligand into antigen processing and peptide-loading compartments for presentation to T-cells. May mediate potent inhibition of induction of IFN-alpha/beta expression in plasmacytoid dendritic cells. May act as a signaling receptor that activates protein-tyrosine kinases and mobilizes intracellular calcium. Does not seem to bind mannose. [UniProt] |
| Highlight | Related products: CLEC antibodies ; CLEC ELISA Kits ; CLEC Duos / Panels ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData |
| Cellular Localization | Cell membrane; Single-pass type II membrane protein. [UniProt] |



ARG82536 Human CLEC4C / BDCA2 ELISA Kit standard curve image

ARG82536 Human CLEC4C / BDCA2 ELISA Kit results of a typical standard run with optical density reading at 450 nm.