

ARG82416 Mouse CLEC7A ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82416-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82416-002	Standard	2 X 10 ng/vial	4°C
ARG82416-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82416-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82416-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82416-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82416-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82416-008	25X Wash buffer	20 ml	4°C
ARG82416-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82416-010	STOP solution	10 ml (Ready to use)	4°C
ARG82416-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82416 Mouse CLEC7A ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse CLEC7A in serum, plasma (EDTA, heparin) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Target Name	CLEC7A
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	50 pg/ml
Sample Type	Serum, plasma (EDTA, heparin) and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 4.4% Inter-Assay CV: 6.0%

Alternate Names	C-type lectin superfamily member 12; CD369; Dectin-1; Dendritic cell-associated C-type lectin 1; CLECSF12; CANDF4; BGR; Beta-glucan receptor; C-type lectin domain family 7 member A; DC-associated C-type lectin 1; DECTIN1
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Application Instructions

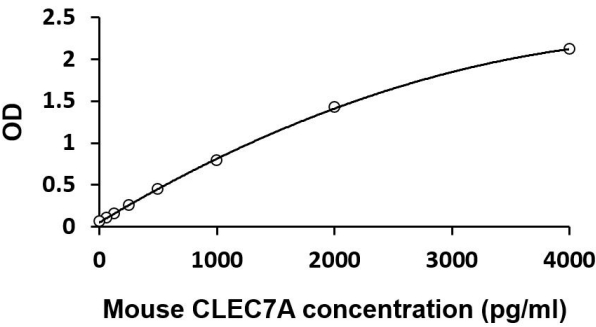
Assay Time	~ 5 hours
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Properties

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	CLEC7A
Gene Full Name	C-type lectin domain family 7, member A
Background	This gene encodes a member of the C-type lectin/C-type lectin-like domain (CTL/CTLD) superfamily. The encoded glycoprotein is a small type II membrane receptor with an extracellular C-type lectin-like domain fold and a cytoplasmic domain with an immunoreceptor tyrosine-based activation motif. It functions as a pattern-recognition receptor that recognizes a variety of beta-1,3-linked and beta-1,6-linked glucans from fungi and plants, and in this way plays a role in innate immune response. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. This gene is closely linked to other CTL/CTLD superfamily members on chromosome 12p13 in the natural killer gene complex region. [provided by RefSeq, Jul 2008]
Function	Lectin that functions as pattern receptor specific for beta-1,3-linked and beta-1,6-linked glucans, such as cell wall constituents from pathogenic bacteria and fungi. Necessary for the TLR2-mediated inflammatory response and for TLR2-mediated activation of NF-kappa-B. Enhances cytokine production in macrophages and dendritic cells. Mediates production of reactive oxygen species in the cell. Mediates phagocytosis of C.albicans conidia. Binds T-cells in a way that does not involve their surface glycans and plays a role in T-cell activation. Stimulates T-cell proliferation (By similarity). [UniProt]
Highlight	Related products: CLEC antibodies ; CLEC ELISA Kits ; CLEC Duos / Panels ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Phosphorylated on tyrosine residues in response to glucan binding. [UniProt]
Cellular Localization	Cell membrane; Single-pass type II membrane protein. Isoform 5: Cytoplasm. Isoform 6: Cytoplasm. Isoform 7: Cytoplasm. [UniProt]



ARG82416 Mouse CLEC7A ELISA Kit standard curve image

ARG82416 Mouse CLEC7A ELISA Kit results of a typical standard run with optical density reading at 450 nm.