

## ARG82311 Mouse CD22 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG82311-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82311-002	Standard	2 X 10 ng/vial	4°C
ARG82311-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82311-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82311-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82311-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82311-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82311-008	25X Wash buffer	20 ml	4°C
ARG82311-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82311-010	STOP solution	10 ml (Ready to use)	4°C
ARG82311-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG82311 Mouse CD22 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse CD22 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CD22
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	0.078 ng/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	0.156 - 10 ng/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.8% Inter-Assay CV: 6.7%
Alternate Names	B-lymphocyte cell adhesion molecule; B-cell receptor CD22; T-cell surface antigen Leu-14; BL-CAM; SIGLEC-2; Sialic acid-binding Ig-like lectin 2; Siglec-2; CD antigen CD22; SIGLEC2

## Application Instructions

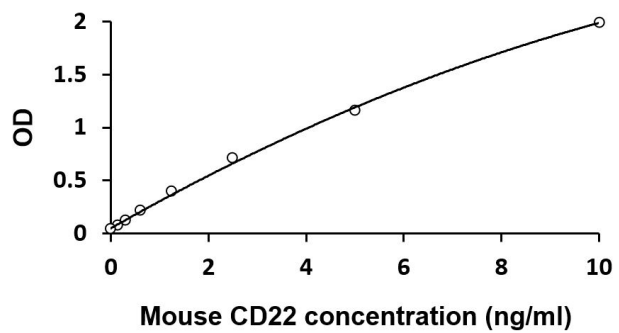
Assay Time	~ 5 hours
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## Properties

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	CD22
Gene Full Name	CD22 molecule
Function	Mediates B-cell B-cell interactions. May be involved in the localization of B-cells in lymphoid tissues. Binds sialylated glycoproteins; one of which is CD45. Preferentially binds to alpha-2,6-linked sialic acid. The sialic acid recognition site can be masked by cis interactions with sialic acids on the same cell surface. Upon ligand induced tyrosine phosphorylation in the immune response seems to be involved in regulation of B-cell antigen receptor signaling. Plays a role in positive regulation through interaction with Src family tyrosine kinases and may also act as an inhibitory receptor by recruiting cytoplasmic phosphatases via their SH2 domains that block signal transduction through dephosphorylation of signaling molecules. [UniProt]
Highlight	Related products: <a href="#">CD22 antibodies</a> ; <a href="#">CD22 ELISA Kits</a> ; <a href="#">CD22 Duos / Panels</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>
PTM	Phosphorylation of Tyr-762, Tyr-807 and Tyr-822 are involved in binding to SYK, GRB2 and SYK, respectively. Phosphorylation of Tyr-842 is involved in binding to SYK, PLCG2 and PIK3R1/PIK3R2.  Phosphorylated on tyrosine residues by LYN. [UniProt]
Cellular Localization	Cell membrane; Single-pass type I membrane protein. [UniProt]



ARG82311 Mouse CD22 ELISA Kit standard curve image

ARG82311 Mouse CD22 ELISA Kit results of a typical standard run with optical density reading at 450 nm.