

ARG82332 Human CD23 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82332-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82332-002	Standard	2 X 10 ng/vial	4°C
ARG82332-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82332-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82332-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82332-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82332-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82332-008	25X Wash buffer	20 ml	4°C
ARG82332-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82332-010	STOP solution	10 ml (Ready to use)	4°C
ARG82332-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82332 Human CD23 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD23 in serum, plasma (EDTA, heparin), cell culture supernatants and urine.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	CD23
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (EDTA, heparin), cell culture supernatants and urine.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.1% Inter-Assay CV: 6.3%

Alternate Names	CD23A; BLAST-2; Lymphocyte IgE receptor; CLEC4J; Immunoglobulin E-binding factor; CD23; IGEBF; Fc-epsilon-RII; CD antigen CD23; FCE2; Low affinity immunoglobulin epsilon Fc receptor; C-type lectin domain family 4 member J
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Application Instructions

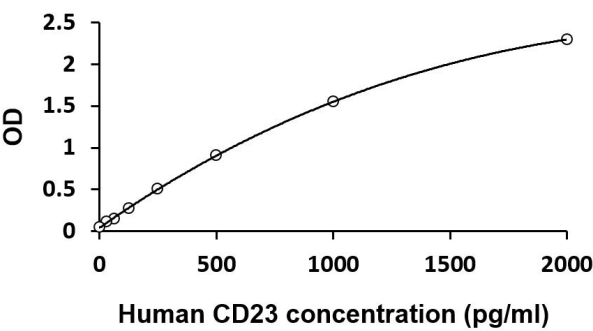
Assay Time	~ 5 hours
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Properties

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	FCER2
Gene Full Name	Fc fragment of IgE, low affinity II, receptor for (CD23)
Background	The protein encoded by this gene is a B-cell specific antigen, and a low-affinity receptor for IgE. It has essential roles in B cell growth and differentiation, and the regulation of IgE production. This protein also exists as a soluble secreted form, then functioning as a potent mitogenic growth factor. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.[provided by RefSeq, Jul 2011]
Function	Low-affinity receptor for immunoglobulin E (IgE) and CR2/CD21. Has essential roles in the regulation of IgE production and in the differentiation of B-cells (it is a B-cell-specific antigen). [UniProt]
Highlight	Related products: CD23 antibodies ; CD23 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	N- and O-glycosylated. The secreted form sCD23 is produced by ADAM10-mediated ectodomain shedding. [UniProt]
Cellular Localization	Cell membrane; Single-pass type II membrane protein. Cell membrane; Lipid-anchor. Secreted. Note=Also exists as a soluble excreted form, sCD23. [UniProt]



ARG82332 Human CD23 ELISA Kit standard curve image

ARG82332 Human CD23 ELISA Kit results of a typical standard run with optical density reading at 450 nm.