

ARG81883 Human CD32 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81883-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81883-002	Standard	2 X 10 ng/vial	4°C
ARG81883-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81883-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81883-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81883-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81883-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81883-008	25X Wash buffer	20 ml	4°C
ARG81883-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81883-010	STOP solution	10 ml (Ready to use)	4°C
ARG81883-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81883 Human CD32 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD32 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CD32
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	23.45 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	46.9 - 3000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.2%; Inter-Assay CV: 7.4%
Alternate Names	Fc-gamma-R1Ic; Fc-gamma RII-c; CD32; CD antigen CD32; CD32B; IgG Fc receptor II-c; Low affinity immunoglobulin gamma Fc region receptor II-c; FCG2; IGFR2; FcRII-c; FCGR2; CDw32

Application Instructions

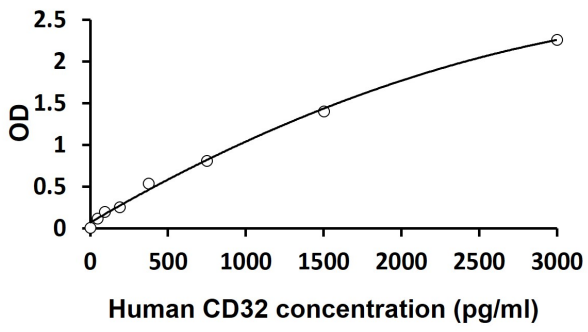
Assay Time	~ 5 hours
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Properties

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	FCGR2B
Gene Full Name	Fc fragment of IgG, low affinity IIb, receptor (CD32)
Background	The protein encoded by this gene is a low affinity receptor for the Fc region of immunoglobulin gamma complexes. The encoded protein is involved in the phagocytosis of immune complexes and in the regulation of antibody production by B-cells. Variations in this gene may increase susceptibility to systemic lupus erythematosus (SLE). Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010]
Function	Receptor for the Fc region of complexed immunoglobulins gamma. Low affinity receptor. Involved in a variety of effector and regulatory functions such as phagocytosis of immune complexes and modulation of antibody production by B-cells. [UniProt]
Highlight	Related products: CD32 antibodies ; CD32 ELISA Kits ; CD32 Duos / Panels ; CD32 recombinant proteins ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Phosphorylated by the SRC-type Tyr-kinases LYN and BLK. [UniProt]



ARG81883 Human CD32 ELISA Kit standard curve image

ARG81883 Human CD32 ELISA Kit results of a typical standard run with optical density reading at 450 nm.