

ARG81711 Mouse CD14 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81711-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81711-002	Standard	2 X 10 ng/vial	4°C
ARG81711-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81711-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81711-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81711-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81711-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81711-008	25X Wash buffer	20 ml	4°C
ARG81711-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81711-010	STOP solution	10 ml (Ready to use)	4°C
ARG81711-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81711 Mouse CD14 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse CD14 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	CD14
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	0.39 ng/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	0.78 - 50 ng/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.4%; Inter-Assay CV: 6.0%
Alternate Names	CD antigen CD14; Myeloid cell-specific leucine-rich glycoprotein; Monocyte differentiation antigen CD14

Application Instructions

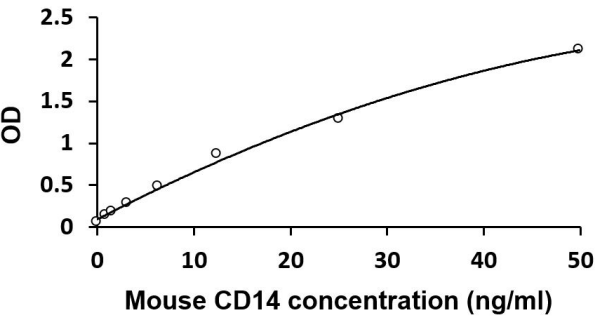
Assay Time	~ 5 hours
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Properties

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	CD14
Gene Full Name	CD14 molecule
Background	The protein encoded by this gene is a surface antigen that is preferentially expressed on monocytes/macrophages. It cooperates with other proteins to mediate the innate immune response to bacterial lipopolysaccharide. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Mar 2010]
Function	In concert with LBP, binds to monomeric lipopolysaccharide and delivers it to the MD-2/TLR4 complex, thereby mediating the innate immune response to bacterial lipopolysaccharide (LPS). Acts via MyD88, TIRAP and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. Up-regulates cell surface molecules, including adhesion molecules. [UniProt]
Highlight	Related products: CD14 antibodies ; CD14 ELISA Kits ; CD14 Duos / Panels ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	N- and O- glycosylated. O-glycosylated with a core 1 or possibly core 8 glycan. [UniProt]



ARG81711 Mouse CD14 ELISA Kit standard curve image

ARG81711 Mouse CD14 ELISA Kit results of a typical standard run with optical density reading at 450 nm.