

ARG81317 Human CD14 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG81317 Human CD14 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD14 in serum, plasma and cell culture supernatant.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	Recognizes both natural and recombinant Human soluble CD14. No cross reactivity with other Human soluble molecules.
Target Name	CD14
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	6 ng/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	6.875 - 220 ng/ml
Sample Volume	100 µl
Alternate Names	CD antigen CD14; Myeloid cell-specific leucine-rich glycoprotein; Monocyte differentiation antigen CD14

Application Instructions

Assay Time	~ 4 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](#);

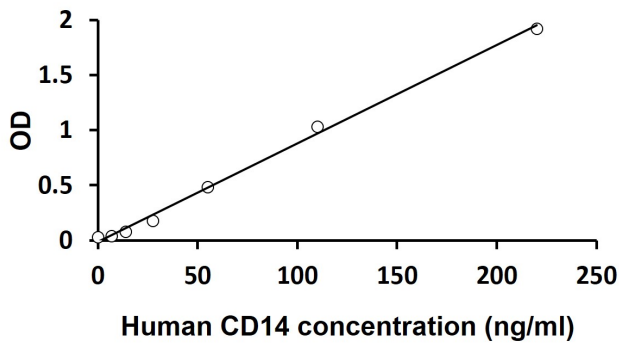
New ELISA data calculation tool:

[Simplify the ELISA analysis by GainData](#)

PTM

N- and O- glycosylated. O-glycosylated with a core 1 or possibly core 8 glycan. [UniProt]

Images



ARG81317 Human CD14 ELISA Kit standard curve image

ARG81317 Human CD14 ELISA Kit results of a typical standard run with optical density reading at 450 nm.