

# Product datasheet

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## 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  $100 \ \mu l$ 

Alternate Names CD antigen CD14; Myeloid cell-specific leucine-rich glycoprotein; Monocyte differentiation antigen

CD14

#### **Application Instructions**

Assay Time ~ 4 hours

#### **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,

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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]

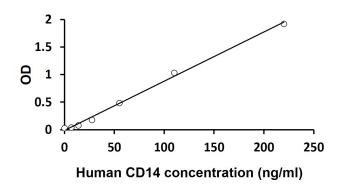
Highlight Related products:

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.