

Rat CD14 ELISA Kit | CD14 elisa kit

Rat CD14 ELISA Kit

CATALOG #
AAA87167

REACTIVITY
Rat

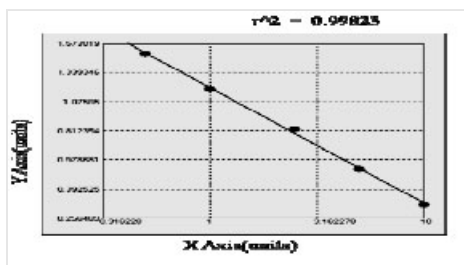
PRODUCT SYNONYMS

CD14; Rat CD14 ELISA Kit; CD14 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD14 elisa kit

Intended Uses: This CD14 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CD14.

Principle of the Assay: CD14 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CD14 antibody and an CD14-HRP conjugate. The assay sample and buffer are incubated together with CD14-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CD14 concentration since CD14 from samples and CD14-HRP conjugate compete for the anti-CD14 antibody binding site. Since the number of sites is limited, as more sites are occupied by CD14 from the sample, fewer sites are left to bind CD14-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CD14 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for CD14 elisa kit

Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	2274810
NCBI GeneID	281048
Molecular Weight	39,667 Da
NCBI Official Full Name	CD14
NCBI Official Synonym Full Names	CD14 molecule
NCBI Official Symbol	CD14
NCBI Protein Information	monocyte differentiation antigen CD14; CD14 antigen; myeloid cell-specific leucine-rich glycoprotein
UniProt Protein Name	Monocyte differentiation antigen CD14
UniProt Gene Name	CD14
UniProt Entry Name	CD14_BOVIN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cd14-rat-elisa-kits/cd14/87167>