

Porcine Cluster Of Differentiation 14 (CD14) ELISA Kit | CD14 elisa kit

Pig Cluster Of Differentiation 14 (CD14) ELISA Kit

CATALOG #
AAA183802

REACTIVITY
Porcine

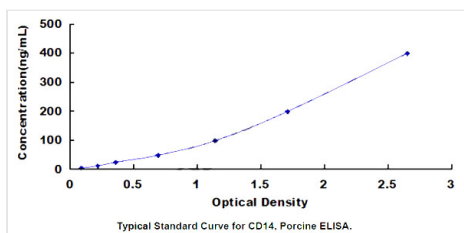
PRODUCT SYNONYMS

Cluster Of Differentiation 14 (CD14); Pig Cluster Of Differentiation 14 (CD14) ELISA Kit; Monocyte differentiation antigen CD14; Myeloid cell-specific leucine-rich glycoprotein; CD14 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of CD14. No significant cross-reactivity or interference between CD14 and analogues was observed.
Sequence Length	373
Assay Type	Quantitative Sandwich
Samples	Porcine serum, plasma and other biological fluids
Detection Range	6.25-400ng/mL
Sensitivity	< 2.49ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CD14 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CD14 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD14 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to CD14. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to CD14. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CD14, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of CD14 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CD14 in porcine serum, plasma and other biological fluids.
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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
UniProt Protein Name	Monocyte differentiation antigen CD14
UniProt Gene Name	CD14

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/porcine-elisa-kits/cluster-of-differentiation-14-cd14/183802>