

Porcine C3 ELISA Kit | C3 elisa kit

Porcine C3 (Complement Component 3) ELISA Kit

CATALOG #
AAA164464

REACTIVITY
Porcine

PRODUCT SYNONYMS

C3; Porcine C3 (Complement Component 3) ELISA Kit; C3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This kit recognizes Porcine C3 in samples. No significant cross-reactivity or interference between Porcine C3 and analogues was observed.
Sequence Length	825
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	7.81-500ng/mL
Sensitivity	4.69ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Porcine C3 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Porcine C3 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

ADDITIONAL INFORMATION

Related Product Information for C3 elisa kit

Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Porcine C3. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Porcine C3 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Porcine C3, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm $\pm$ 2 nm. The OD value is proportional to the concentration of Porcine C3. You can calculate the concentration of Porcine C3 in the samples by comparing the OD of the samples to the standard curve.

Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Porcine C3 concentrations in serum, plasma and other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	24943136
NCBI GeneID	955871
NCBI Accession #	NP_733898.1

NCBI GenBank Nucleotide #	NC_004367.1
UniProt Accession #	Q993G5
Molecular Weight	92,707 Da
NCBI Official Full Name	C3
NCBI Official Symbol	C3
NCBI Protein Information	C3
UniProt Protein Name	C3
UniProt Gene Name	C3
UniProt Entry Name	Q993G5_9GAMA

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://www.aaabiotech.com/porcine-elisa-kits/c3/164464>