

Porcine MUC5B ELISA Kit | MUC5B elisa kit

Porcine MUC5B (Mucin 5 Subtype B) ELISA Kit

CATALOG #
AAA165243

REACTIVITY
Porcine

PRODUCT SYNONYMS

MUC5B; Porcine MUC5B (Mucin 5 Subtype B) ELISA Kit; MUC5B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This kit recognizes Porcine MUC5B in samples. No significant cross-reactivity or interference between Porcine MUC5B and analogues was observed.
Sequence Length	5762
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	0.63-40ng/mL
Sensitivity	0.38ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Porcine MUC5B 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 MUC5B 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 MUC5B 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 MUC5B. 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 MUC5B 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 MUC5B, 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 MUC5B. You can calculate the concentration of Porcine MUC5B 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 MUC5B concentrations in serum, plasma and other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	301172750
NCBI GeneID	727897
NCBI Accession #	NP_002449.2

NCBI GenBank Nucleotide #	NM_002458.2
UniProt Accession #	Q9HC84 ; O00447 ; O00573 ; O14985 ; O15494 ; O95291 ; O95451 ; Q14881 ; Q7M4S5 ; Q99552 ; Q9UE28
Molecular Weight	596,340 Da
NCBI Official Full Name	mucin-5B
NCBI Official Synonym Full Names	mucin 5B, oligomeric mucus/gel-forming
NCBI Official Symbol	MUC5B
NCBI Official Synonym Symbols	MG1; MUC5; MUC9; MUC-5B
NCBI Protein Information	mucin-5B; cervical mucin MUC5B; high molecular weight salivary mucin MG1; mucin 5, subtype B, tracheobronchial; sublingual gland mucin
UniProt Protein Name	Mucin-5B
UniProt Gene Name	MUC5B
UniProt Synonym Gene Names	MUC5; MUC-5B
UniProt Entry Name	MUC5B_HUMAN

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/muc5b/165243>