

Bovine Mucin-5 subtype AC ELISA Kit | MUC5AC elisa kit

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CATALOG #
AAA89996

REACTIVITY
Bovine

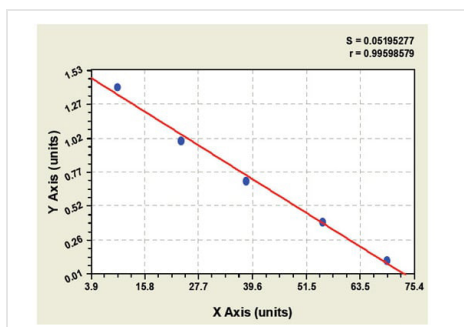
PRODUCT SYNONYMS

Mucin-5 subtype AC; Bovine Mucin-5 subtype AC ELISA Kit; MUC5AC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	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 MUC5AC elisa kit

Intended Uses: This MUC5AC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine MUC5AC. This ELISA kit for research use only!

Principle of the Assay: MUC5AC ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-MUC5AC antibody and an MUC5AC-HRP conjugate. The assay sample and buffer are incubated together with MUC5AC-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 MUC5AC concentration since MUC5AC from samples and MUC5AC-HRP conjugate compete for the anti-MUC5AC antibody binding site. Since the number of sites is limited, as more sites are occupied by MUC5AC from the sample, fewer sites are left to bind MUC5AC-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MUC5AC concentration in each sample is interpolated from this standard curve.

Product Categories/Family for MUC5AC elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	15026993
Molecular Weight	6,501 Da
NCBI Official Full Name	MUC5AC protein, partial
UniProt Protein Name	MUC5AC protein
UniProt Gene Name	MUC5AC
UniProt Entry Name	Q96DU6_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://stage.aaabiotech.com/muc5ac-bovine-ovine-elisa-kits/mucin-5-subtype-ac/89996>