

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

Rat Mucin-5 subtype AC ELISA Kit

CATALOG #
AAA16502

REACTIVITY
Rat

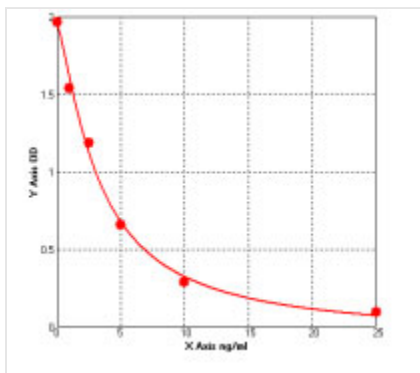
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of MUC5AC. No significant cross-reactivity or interference between MUC5AC and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MUC5AC and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive or Sandwich
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
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	Principle of the Assay: MUC5AC ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal 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. Intended Uses: This MUC5AC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat MUC5AC. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/muc5ac-rat-elisa-kits/mucin-5-subtype-ac/16502>