

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

Rat Mucin-5 subtype AC ELISA Kit

CATALOG #  
**AAA16502**

REACTIVITY  
**Rat**

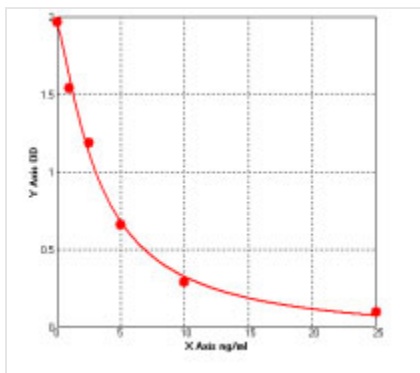
### PRODUCT SYNONYMS

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

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|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for MUC5AC elisa kit | <p>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.</p> <p>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!</p> |
| 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://www.aaabiotech.com/muc5ac-rat-elisa-kits/mucin-5-subtype-ac/16502>