

## Human Carbohydrate Antigen 125 ELISA Kit | CA125 elisa kit

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 CATALOG #  
**AAA84034**

 REACTIVITY  
**Human**

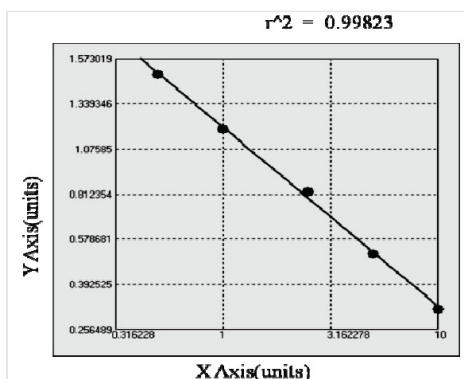
### PRODUCT SYNONYMS

Carbohydrate Antigen 125; Human Carbohydrate Antigen 125 ELISA Kit; CA125 elisa kit

### PRODUCT SPECIFICATIONS

|                            |                                                                            |
|----------------------------|----------------------------------------------------------------------------|
| Reactivity                 | Human                                                                      |
| Samples                    | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type                 | Competitive                                                                |
| Detection Range            | 5.0-100U/mL                                                                |
| Sensitivity                | 1.0u/mL                                                                    |
| Highest Standards          | 100U/mL                                                                    |
| Concentration of Standards | Concentration of Standards                                                 |
| 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 CA125 elisa kit | <p><b>For samples:</b> Serum, plasma, cell culture supernatants, body fluid and tissue homogenate</p> <p><b>INTENDED USE</b> This CA125 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CA125. This ELISA kit for research use only!</p> <p><b>PRINCIPLE OF THE ASSAY</b> CA125 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CA125 antibody and an CA125-HRP conjugate. The assay sample and buffer are incubated together with CA125-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 CA125 concentration since CA125 from samples and CA125-HRP conjugate compete for the anti-CA125 antibody binding site. Since the number of sites is limited, as more sites are occupied by CA125 from the sample, fewer sites are left to bind CA125-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CA125 concentration in each sample is interpolated from this standard curve.</p> |
| Product Categories/Family for CA125 elisa kit   | Cancer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

**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/ca125-human-elisa-kits/carbohydrate-antigen-125/84034>