

## Human Alpha Synuclein oligomer ELISA Kit | AlphaSYNo elisa kit

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CATALOG #  
**AAA16537**

REACTIVITY  
**Human**

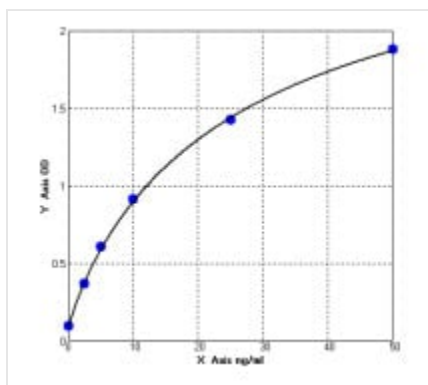
### PRODUCT SYNONYMS

Alpha Synuclein oligomer; Human Alpha Synuclein oligomer ELISA Kit; AlphaSYNo elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                   |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of SNCOalpha. No significant cross-reactivity or interference between SNCOalpha and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between SNCOalpha 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 AlphaSYNo elisa kit | <p>Principle of the Assay: SNCOalpha ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for SNCOalpha. Standards or samples are then added to the microtiter plate wells and SNCOalpha if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of SNCOalpha present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for SNCOalpha are added to each well to "sandwich" the SNCOalpha immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain SNCOalpha and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SNCOalpha concentration in each sample is interpolated from this standard curve.</p> <p>Intended Uses: This SNCOalpha ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human SNCOalpha. This ELISA kit for research use only, not for therapeutic or diagnostic applications!</p> |
| Product Categories/Family for AlphaSYNo elisa kit   | Neurobiology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| References                                          | Abnormal Salivary Total and Oligomeric Alpha-Synuclein in Parkinson's Disease. Giorgio Vivacqua, Anna Latorre, Antonio Suppa, Michela Nardi, Sara Pietracupa, Romina Mancinelli, Giovanni Fabbrini, Carlo Colosimo, Eugenio Gaudio, Alfredo Berardelli (2016)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                          |
|----------------------------------|--------------------------------------------------------------------------|
| NCBI GI #                        | 586067                                                                   |
| NCBI GeneID                      | 6622                                                                     |
| Molecular Weight                 | 13,109 Da                                                                |
| NCBI Official Full Name          | Alpha-synuclein                                                          |
| NCBI Official Synonym Full Names | synuclein, alpha (non A4 component of amyloid precursor)                 |
| NCBI Official Symbol             | SNCA                                                                     |
| NCBI Official Synonym Symbols    | PD1; NACP; PARK1; PARK4                                                  |
| NCBI Protein Information         | alpha-synuclein; synuclein alpha-140; non A-beta component of AD amyloid |
| UniProt Protein Name             | Alpha-synuclein                                                          |
| UniProt Gene Name                | SNCA                                                                     |
| UniProt Synonym Gene Names       | NACP; PARK1; NACP                                                        |
| UniProt Entry Name               | SYUA_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.