

## Human Alpha Synuclein ELISA Kit | AlphaSYN elisa kit

Human Alpha Synuclein ELISA Kit

CATALOG #  
**AAA83448**

REACTIVITY  
**Human**

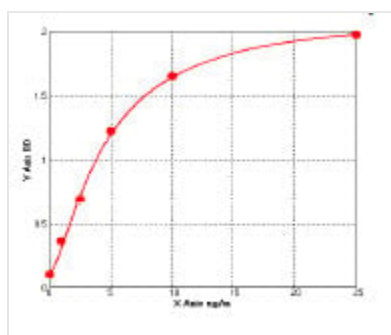
### PRODUCT SYNONYMS

Alpha Synuclein; Human Alpha Synuclein ELISA Kit; AlphaSYN elisa kit

### PRODUCT SPECIFICATIONS

|                            |                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                 | Human                                                                                                                                                                                                                                                                                                                                                                                                |
| Specificity                | This assay has high sensitivity and excellent specificity for detection of SNCalpha. No significant cross-reactivity or interference between SNCalpha and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between SNCalpha 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                                                                                                                                                                                                                                                                                                                                                                                            |
| Highest Standards          | 1000pg/mL                                                                                                                                                                                                                                                                                                                                                                                            |
| Concentration of Standards | Concentration of Standards                                                                                                                                                                                                                                                                                                                                                                           |
| Preparation and Storage    | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                                  |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for AlphaSYN elisa kit | <p>Principle of the Assay: SNCalpha ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for SNCalpha. Standards or samples are then added to the microtiter plate wells and SNCalpha if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of SNCalpha present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for SNCalpha are added to each well to "sandwich" the SNCalpha 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 SNCalpha 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 SNCalpha concentration in each sample is interpolated from this standard curve.</p> <p>Intended Uses: This SNCalpha ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human SNCalpha. This ELISA kit for research use only, not for therapeutic or test applications!</p> |
| Product Categories/Family for AlphaSYN elisa kit   | Neurobiology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------|
| NCBI GI #                        | 109638747                                                                        |
| NCBI GeneID                      | 20617                                                                            |
| NCBI Accession #                 | NP_001035916.1                                                                   |
| NCBI GenBank Nucleotide #        | NM_001042451.2                                                                   |
| Molecular Weight                 | 12,345 Da                                                                        |
| NCBI Official Full Name          | alpha-synuclein                                                                  |
| NCBI Official Synonym Full Names | synuclein, alpha                                                                 |
| NCBI Official Symbol             | Snca                                                                             |
| NCBI Official Synonym Symbols    | NACP; alphaSYN                                                                   |
| NCBI Protein Information         | alpha-synuclein; non-A4 component of amyloid; non-A beta component of AD amyloid |
| UniProt Protein Name             | Alpha-synuclein                                                                  |
| UniProt Gene Name                | Snca                                                                             |
| UniProt Synonym Gene Names       | Syn; NACP                                                                        |
| UniProt Entry Name               | SYUA_MOUSE                                                                       |

**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.