

Product no **AS13 2717****ASyO2 | Mouse anti-human alpha-synuclein | oligomer-specific (clone number 51,24)**

## Product information

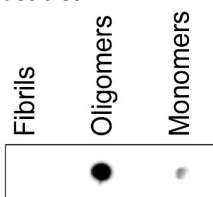
<b>Immunogen</b>	synthetic peptide derived from human alpha-synuclein Glu131-Ala140
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Subclass/isotype</b>	IgG1
<b>Purity</b>	Immunogen affinity purified serum in PBS pH 7.4.
<b>Format</b>	Lyophilized
<b>Quantity</b>	50 µg
<b>Reconstitution</b>	For reconstitution add 50 µl of sterile water
<b>Storage</b>	For short time storage please add sodium azide and store at +4°C. For long time storage store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

## Application information

<b>Recommended dilution</b>	1-2 ug/ml (Dot), 2-4 ug/ml (ELISA capture), 10 ug/ml (IHC)
<b>Expected   apparent MW</b>	14 kDa
<b>Confirmed reactivity</b>	Human
<b>Predicted reactivity</b>	Mouse
<b>Not reactive in</b>	No confirmed exceptions from predicted reactivity are currently known
<b>Selected references</b>	<a href="#">Brännström et al. (2014)</a> . A Generic Method for Design of Oligomer-Specific Antibodies. PLoS ONE. DOI: 10.1371/journal.pone.0090857.

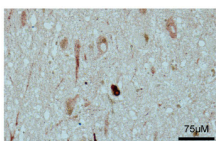
### Application example

#### dot blot



Dot blot reaction of the binding capacity of ASyO2 to fibrils, monomers and oligomers. Equal amounts of each sample were spotted on a nitrocellulose membrane and then dried. The membrane was blocked with 5% non-fat milk before incubated for 1 h with anti-ASyO2 (25nM) and then with secondary antibody, anti-mouse HRP-conjugated (1:1500). The membrane was washed with PBS containing 0.25% Tween-20 before detection using ECL prime (GE Healthcare).

#### immunolocalization



Tissue sections from the human PD midbrain, substantia nigra, were de-waxed and rehydrated in ethanol and then incubated with ASyO2 at RT for 1h. The immunoreactivity was detected with the anti-mouse Peroxidase Reagent Kit (ImmPRESS, Vector Laboratories, Inc.) and then developed using the ImmPACT AEC Peroxidase Substrate kit (Vector Laboratories, Inc.).