## Mouse Anti-Human α-synuclein Monoclonal Antibody Datasheet

Product Name: mAb anti-Human α-synuclein Clone No.: 9A9

Catalogue No.: MO-M40097E Quantity: 0.5 mg/vial

**Description:** Mouse monoclonal antibody to human

 $\alpha$ -synuclein

**Purification:** Protein G affinity purified

**Product type:** Primary antibody

**Target Protein:** Human α-synuclein

**Immunogen:** Recombinant human α-synuclein (1-140

aa) expressed in E. coli.

Fusion Sp2/0-Ag14

Myeloma:

**Specificity:** This antibody recognizes human  $\alpha$ -

synuclein epitope (SEE)GYQDY.

Species Human

Reactivity:

Host / Isotype: Mouse, IgG1, Kappa

Formulation: Lyophilized from a solution in 0.01M

PBS, pH 7.2

**Reconstitution:** Double distilled water is recommended

to adjust the final concentration to

1.00mg/mL.

Storage: Store at -20°C

**Research** Parkinson's disease, neurodegenerative

Area: diseases.

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**Background:**  $\alpha$ -synuclein is a protein of unknown

function. It is mainly found in neural tissue. There is a lipid-binding motif

similar to that of Apolipoproteins on its N-terminal. A hydrophobic region that is

the non-beta component found in amyloid aggregation in Alzheimer's disease is located at the central region

of the protein. The abnormal aggregation of  $\alpha$ -synuclein on brain tissue is called Lewy bodies, which are found in Parkinson's disease, dementia

and multiply system atrophy. Mutated  $\alpha$ -synuclein gene is found to be associated with rare familial form of

Parkinson's disease.

**Applications:** Indirect ELISA: The antibody reacts with

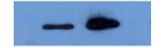
human  $\alpha$ -synuclein.

Western Blot: Detect recombinant  $\alpha\textsubscript{-}$  synuclein ( $\alpha\textsubscript{-}$  SYN) using antibody 9A9 at

5μg/mL dilution.

Western blot-α-syneuclein(α- SYN)

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1&2  $\alpha$ - synuclein ( $\alpha$ -SYN) at 500ng/well

References:

If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.

This product is for LABORATORY RESEARCH USE and further manufacture ONLY, and cannot be administrated to human and animals for use in diagnostic and therapeutic procedures.

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