

DATA SHEET

Product Name: Alpha-Synuclein 4D5 Antibody

Catalog #: SAb-1004

Host: Mouse

Reactivity
Species: Human

Isotype: IgG1

Protein Purity: >90% by SDS-PAGE

Supplied As: Liquid

Counter-ion: 1x PBS Buffer pH 7.4

Storage: -80°C

Description: Alpha-Synuclein (α -Synuclein) is a presynaptic protein found to be a major component of Parkinson's Disease (PD) aggregates and is implicated in the pathogenesis of PD and related neurodegenerative disorders. Alpha-Synuclein 4D5 is an rPeptide exclusive mouse monoclonal antibody that binds most of the Alpha-Synuclein proteins. This antibody does not recognize the Alpha-Synuclein 61-140 or 96-140 indicating the epitope is located near the N-terminus. This anti-Alpha-Synuclein mouse derived monoclonal antibody recognizes all but two Alpha-Synuclein constructs. Possible applications may include isoform identification, qualitative analysis, or expression level monitoring through western blots, ELISAs, or other methods.

References:

1. Conway, K., et al., (2000) Biochemistry, *39*: 2552
2. Jakes, R., et al., (1994) FEBS Letters, *345*: 27
3. Masliah, E., et al., (2001) Proc. Natl. Acad. Sci., USA, *98*: 12245
4. Ueda, K., et al., (1993) Proc. Natl. Acad. Sci., USA, *90*: 11282
5. Grozdanov, V., et al., (2019) Ann Neurol, *86*(4): 593-606

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