

Exidavnemab Biosimilar - Research Grade

Product Code: ICH5237

More Information

Species Reactivity: Human

Target: SNCA

Concentration: >1mg/ml

Isotype: Human IgG4 - kappa

Host: CHO Cells

product name H2: Exidavnemab Biosimilar - Research Grade

Antibodies against the same target: [Amlenetug Biosimilar - Research Grade \(ICH5341\)](#), [Cinpanemab Biosimilar - Research Grade \(ICH5439\)](#), [Indenebart Biosimilar - Research Grade \(ICH5603\)](#), [Prasinezumab Biosimilar - Research Grade \(ICH5786\)](#)

Sequence: <https://www.imgt.org/mAb-DB/>

Buffer: ICH3002

UniProt: P37840

Shipping Conditions: Blue ice

background: This product is an unconjugated, non-therapeutic recombinant analog of the anti-alpha-synuclein antibody exidavnemab, produced as a human IgG4-kappa molecule built around the SNCA target (UniProt P37840). It is supplied for research use only and is not the clinical drug, not for human or veterinary use. The originator is being developed to engage aggregated, pathological forms of alpha-synuclein while sparing physiological monomer, making a research-grade analog useful for probing that same aggregate-selective biology in controlled settings. Typical applications include use as a defined

isotype-matched binding reagent, as a positive or reference control in immunoassays and immunohistochemistry, in neutralization or aggregate-capture experiments, in ADCC/ADC and antibody-engineering development workflows, and in preclinical model characterization. The analog is offered at research grade with low endotoxin (research grade less than 1 EU/mg; ultra-low grade less than 0.5 EU/mg), in in-vivo-standard formulations, and in bulk milligram-to-gram quantities to support assay development and scale-up. This description is guidance for ichorbio to review; it makes no therapeutic claims and does not reference any specific antibody clone. SNCA encodes alpha-synuclein, a small, natively unfolded presynaptic protein highly abundant in neurons. In its physiological, often membrane-associated multimeric state it regulates synaptic vesicle trafficking, clustering, and neurotransmitter release, contributing to SNARE-complex assembly and modulating dopamine handling. Under pathological conditions the protein misfolds and self-assembles into oligomers and beta-sheet-rich amyloid fibrils that accumulate as Lewy bodies and Lewy neurites, the neuropathological hallmark of synucleinopathies including Parkinson's disease, Parkinson's disease dementia, dementia with Lewy bodies, and multiple system atrophy. Aggregated species are associated with synaptic dysfunction, mitochondrial impairment, and cell-to-cell propagation of pathology. This distinction between benign monomer and toxic aggregate underlies interest in conformation- and aggregate-selective antibodies as research tools.

Other names: Non-A beta component of AD amyloid, Non-A4 component of amyloid precursor, NACP, Alpha-synuclein, PARK1

Specificity: Detects human SNCA

Purification Method: This monoclonal antibody was purified using Protein A

Formulation: Sterile, preservative-free, solution in PBS. BSA and Azide free.

Purity: >95% by SDS-PAGE

Endotoxin: ≤ 1.0 EU/mg as determined by the LAL method

Storage: This biosimilar is stable when stored at 2-8°C. For longer term storage (> 3 months) it is recommended to store this antibody at -20°C or -70°C.

Applications: Functional Assays

Application Notes: This biosimilar is for research use only (RUO): it is not for diagnostic or therapeutic procedures and cannot be purchased by patients.



Use: Products are for research use only. Not for use in diagnostic or therapeutic procedures.

Delivery Time: 4 weeks