
A β 42 (35-42) Antibody Blocking Peptide

Catalog Number: bs-0076P

Activity: Not tested

Purification: HPLC

Storage: Shipped at 4°C. Stored at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The cerebral and vascular plaques associated with Alzheimer's disease are mainly composed of Amyloid beta peptides. beta Amyloid is derived from cleavage of the Amyloid precursor protein and varies in length from 39 to 43 amino acids. beta Amyloid [1-40], beta Amyloid [1-42], and beta Amyloid [1-43] peptides result from cleavage of Amyloid precursor protein after residues 40, 42, and 43, respectively. The cleavage takes place by gamma-secretase during the last Amyloid precursor protein processing step. beta Amyloid [1-40], beta Amyloid [1-42], and beta Amyloid [1-43] peptides are major constituents of the plaques and tangles that occur in Alzheimer's disease. beta Amyloid antibodies and peptides have been developed as tools for elucidating the biology of Alzheimer's disease.

PRODUCT SPECIFIC PUBLICATIONS

[IF=7.632] Dongmiao Qin. et al. Design of a Dual-Wavelength Ratiometric Electrochemiluminescence Immunosensor for Sensitive Detection of Amyloid- β Protein in Human Serum. *Acs Sustain Chem Eng.* 2021;9(22):7541–7549 Other ; . 10.1021/acssuschemeng.1c01237

[IF=6.408] Qin, Dongmiao. et al. Construction of efficient electrochemiluminescence resonance energy transfer sensor based on SnO₂/SnS₂QDs-Ru@IRMOF-3 composite for sensitive detection of procalcitonin. *MICROCHIM ACTA.* 2022 Nov;189(11):1-15 Other ; Other . 36269425

[IF=6.2] Wenwen Yuan. et al. A SERS nanocellulose-paper-based analytical device for ultrasensitive detection of Alzheimer's disease. *ANAL CHIM ACTA.* 2024 Mar;;342447 Other ; . 38553119

[IF=3.61] Jiasi Yu. et al. Study on multi-target effects of PIMPC on A β /Cu²⁺-induced Alzheimer's disease model of rats. *BRAIN RES.* 2023 Mar;1802:148226 Other ; . 36586663