



Beta Amyloid 40 Peptide - 000-001-K94

Code: 000-001-K94

Size: 1 mg

Product Description: Beta Amyloid 40 Peptide - 000-001-K94

Concentration: 1 mg/mL by dry weight

PhysicalState: Lyophilized

Buffer	None
Reconstitution Volume	1.0 mL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Storage Condition	Store vial at 2 - 8 ° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. Dilute only prior to immediate use.
Synonyms	ABPP, APP1, Alzheimer disease amyloid protein, Cerebral vascular amyloid peptide, Protease nexin-II, control peptide, blocking peptide
Application Note	Beta Amyloid 40 Control Peptide is suitable for use in ELISA, Western Blot, Dot blot, PCA, and other assays. Control peptide should be used at 1.0 µg per 1.0 µl of antiserum in per assay. Specific conditions for reactivity should be optimized by the end user.
Background	Amyloid peptides, derived from amyloid precursor protein (APP), are thought to play a role in the development of the senile plaques associated with Alzheimer's disease. The amyloid hypothesis presupposes that flaws in the processing of APP result in abnormally high levels of the longer, "stickier" forms of beta amyloid, known as A42 and A43, leading to aggregation of amyloid in the neuronal cell death and ultimately neuronal death. Mutations in the structure of A40 and related peptides as well as in some of the enzymes involved in the processing of APP have been shown to alter the processing of APP. The sporadic (i.e., non-genetic) form of the disease, however, is far more common, caused by aging in concert with a number of both genetic and environmental risk factors.
Purity And Specificity	Greater than 95% specific peptide.
Assay Dilutions	Control peptide should be used at 1.0 µg per 1.0 µl of antiserum per assay.
Other Assays	Control peptide should be used at 1.0 µg per 1.0 µl of antiserum per assay.
Expiration	Expiration date is one (1) year from date of opening.
General Reference	Selkoe D.J. <i>Physiol Rev.</i> 2001;81:741-766. Esler WP, Stimson ER, Fishman JB, Ghilardi JR, Vinters HV, Mantyh PW, Maggio JE. Stereo chemical specificity of Alzheimer's disease beta-peptide assembly. <i>Biopolymers.</i> 1999 May; 49(6):505-14. Glenner, G.G. and Wong C.W. Alzheimer's disease: initial report of the purification and characterization of a novel cerebrovascular amyloid protein. <i>Biochem Biophys Res Commun.</i> 1984 May 16;120(3):885-90.

Related Products

600-401-253	Anti-Beta Amyloid (RABBIT) Antibody - 600-401-253
611-1302	Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302
BSA-30	BOVINE SERUM ALBUMIN 30% Solution - BSA-30
MB-070	Blocking Buffer for Fluorescent Western Blotting - MB-070

Disclaimer

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