



Rabbit (polyclonal) Anti- β -Amyloid [1-40] Biotin Conjugate

PRODUCT ANALYSIS SHEET

Catalog Number:	44-3489
Lot Number:	See product label
Quantity/Concentration:	See product label
Form of Antibody:	Biotin conjugated rabbit polyclonal antibodies in phosphate buffered saline, pH 7.2.
Preservation:	0.1% sodium azide (Caution: sodium azide is a poisonous and hazardous substance. Handle with care and dispose of properly.)
Purification:	Purified from rabbit serum by epitope-specific affinity chromatography. Any reactivity towards both full length A β [1-42] and A β [1-43] protein has been eliminated through a series of preabsorption steps.
Applications:	The antibody has been used to detect A β [1-40] in dot blots, RIA, ELISA and other related assays.
Suggested Working Dilutions:	For dot blot applications, we recommend using the antibody at 0.05-1.0 μ g/mL. The optimal antibody concentration should be determined for each specific application.
Storage:	Store at -80° C. Upon initial thawing, apportion into working aliquots and store at -80° C. Avoid repeated freeze-thaw cycles to prevent denaturing the antibody.
Expiration Date:	Expires one year from date of receipt when stored as instructed.
Cross-Reactivity:	No significant cross-reactivity against A β [1-42] or A β [1-43] has been observed.
References:	<p>Borchelt, D.R., et al. (1997) Accelerated amyloid deposition in the brains of transgenic mice coexpressing mutant presenilin 1 and amyloid precursor proteins. <i>Neuron</i> 19:939-945.</p> <p>Savage, M.J., et al. (1998) Turnover of amyloid β-protein in mouse brain and acute reduction of its level by phorbol ester. <i>J. Neurosci.</i> 18:1743-1752.</p> <p>Vassar, R., et al. (1999) β-Secretase cleavage of Alzheimer's amyloid precursor protein by the transmembrane aspartic protease BACE. <i>Science</i> 286:735-741.</p> <p>Ulery, P.G., et al. (2000) Modulation of β-amyloid precursor protein processing by the low density lipoprotein receptor-related protein (LRP): Evidence that LRP contributes to the pathogenesis of Alzheimer's Disease. <i>J. Biol. Chem.</i> 275:7410-7415.</p>

This product is for research use only. Not for use in diagnostic procedures.

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