

## Anti-beta Amyloid/APP Antibody Picoband® Cy3 Conjugated

Catalog Number: PB9091-Cy3

### About APP

beta Amyloid, also called Abeta or Aβ, denotes peptides of 36–43 amino acids that are crucially involved in Alzheimer's disease as the main component of the amyloid plaques found in the brains of Alzheimer patients. It is mapped to 19q13.12. Several potential activities have been discovered for beta Amyloid, including activation of kinase enzymes, functioning as a transcription factor, and anti-microbial activity (potentially associated with beta Amyloid's pro-inflammatory activity). Moreover, monomeric beta Amyloid is indicated to protect neurons by quenching metal-inducible oxygen radical generation and thereby inhibiting neurotoxicity.

### Overview

Product Name	Anti-beta Amyloid/APP Antibody Picoband® Cy3 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P05067

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human APP, different from the related mouse and rat sequences by three amino acids.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Cy3 Excitation Wavelength: 554 nm Emission Wavelength: 568 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

## 10 Publications Citing This Product

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1. PubMed ID: 10.1007/s12264-011-1028-2, Combined administration of D -galactose and aluminium induces Alzheimerlike lesions in brain
2. PubMed ID: 32951326, Zhang L,Zhang J,Gong Y,Lv L.Systematic and experimental investigations of the anti-colorectal cancer mediated by genistein. Biofactors.2020 Nov;46(6):974-982.doi:10.1002/biof.1677.Epub 2020 Sep 20.PMID:32951326.
3. PubMed ID: -, Ou Qiao,Xinyu Zhang,Yi Zhang et al.Cerebralcare Granule® enhances memantine hydrochloride efficacy in APP/PS1 mice by ameliorating amyloid pathology and cognitive functions,08 April 2021,PREPRINT (Version 1) available at Research Square [https://doi.org/10.21203/rs.3.rs-366097/v1]

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