

Rabbit anti-Human Amyloid beta (1-40) mAb(DET)

Catalog No.: RMK0188

Basic Information

Catalog No.
RMK0188

Catagory
Elisa Antibody Kit

Application
ELISA

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification

Endotoxin Level


Storage
This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free.

Avoid repeated freeze-thaw cycles.

Formulation
Supplied as a 0.2um filtered solution in PBS with 0.1% BSA, pH 7.8.

Contact

 | order@abclonal.com

 | support@abclonal.com

 | www.abclonal.com

Background

Amyloid-beta peptides are lipophilic metal chelators with metal-reducing activity. Bind transient metals such as copper, zinc and iron. In vitro, can reduce Cu²⁺ and Fe³⁺ to Cu and Fe²⁺, respectively. Amyloid-beta protein 42 is a more effective reductant than amyloid-beta protein 40. Amyloid-beta peptides bind to lipoproteins and apolipoproteins E and J in the CSF and to HDL particles in plasma, inhibiting metal-catalyzed oxidation of lipoproteins. APP42-beta may activate mononuclear phagocytes in the brain and elicit inflammatory responses. Promotes both tau aggregation and TPK II-mediated phosphorylation. Interaction with overexpressed HADH2 leads to oxidative stress and neurotoxicity. Also binds GPC1 in lipid rafts.

Immunogen Information

Immunogen
Recombinant Human Amyloid beta (1-40)

Cross-Reactivity

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Assay Applications

Human Amyloid beta (1-40) Sandwich ELISA Immunoassay

	Recommended Concentration	Sample
ELISA Capture	1-4ug/mL	Rabbit anti-Human Amyloid beta (1-40) mAb(CAP)(Cat. No.RMK0187)
ELISA Detection	0.0166-0.06ug/mL	Rabbit anti-Human Amyloid beta (1-40) mAb(DET)(Cat. No.RMK0188)
Standard	7.8125-500pg/mL	Recombinant Human Amyloid beta (1-40) Protein