

Mouse Amyloid Beta 40 ELISA Kit | Abeta40 elisa kit

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CATALOG #
AAA17674

REACTIVITY
Mouse

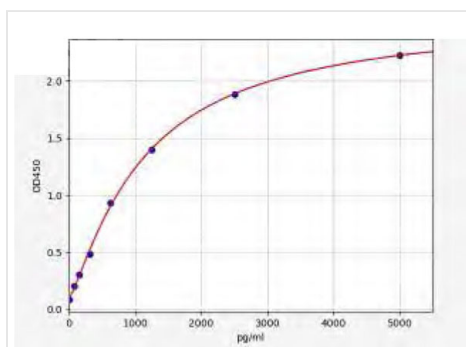
PRODUCT SYNONYMS

Amyloid Beta 40; Mouse Amyloid Beta 40 ELISA Kit; Ab40 (Amyloid Beta 40)/Abeta 40/Beta-amyloid protein 40/Ab (1-40); Abeta40 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Specifically recognize Abeta40, no obvious cross reaction with other analogues
Assay Type	Sandwich
Samples	Serum, plasma, cerebrospinal fluid (CSF), cell culture supernatant and other biological samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Abeta40 elisa kit	Background: Amyloid beta peptide (Abeta) is produced through the proteolytic processing of a transmembrane protein, amyloid precursor protein (APP), by beta- and gamma-secretases. Among all kinds of Abeta isoforms, Abeta40 and Abeta42 are believed to be the most important ones. The amyloid beta (40) is major components of the extracellular plaques found in Alzheimer's disease brain tissue. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti Abeta40 antibody was pre-coated onto the 96-well plate. The biotin conjugated anti Abeta40 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with Abeta40 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of Abeta40 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/abeta40-mouse-elisa-kits/amyloid-beta-40/17674>