

DESCRIPTION

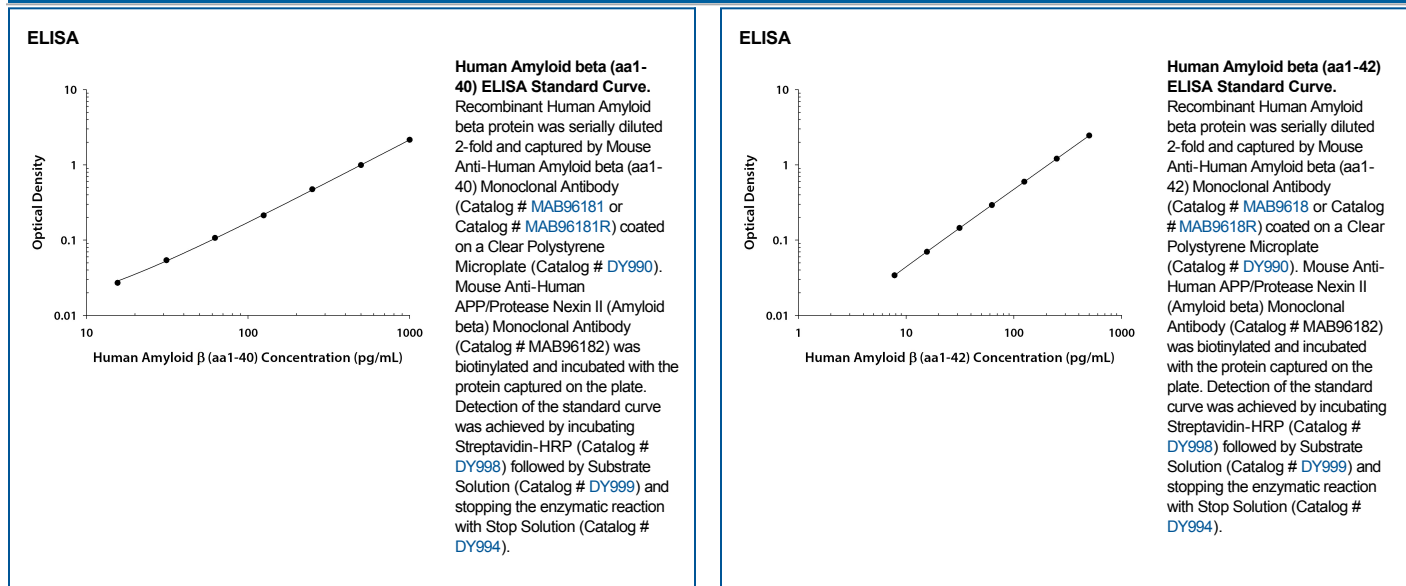
| | |
|---------------------------|---|
| Species Reactivity | Human |
| Specificity | Detects Human APP/Protease Nexin II (amino acids 1-11 of Amyloid β) in direct ELISAs. |
| Source | Monoclonal Mouse IgG Clone # AB42-5 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | Recombinant protein to Fibrillar Amyloid β 1-42 peptide |
| Formulation | Lyophilized from a 0.2 μ m filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μ m filtered solution in PBS. |

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

| | |
|--------------|---|
| ELISA | <p>This antibody functions as an ELISA detection antibody when paired with Mouse Anti-Human Amyloid beta (aa1-40) Monoclonal Antibody (Catalog # MAB96181 or Catalog # MAB96181R) or Mouse Anti-Human Amyloid beta (aa1-42) Monoclonal Antibody (Catalog # MAB9618 or Catalog # MAB9618R).</p> <p><i>This product is intended for assay development on various assay platforms requiring antibody pairs. We recommend the Human Amyloid beta (aa1-40) Quantikine ELISA Kit (Catalog # DAB140B) or Human Amyloid beta (aa1-42) Quantikine ELISA Kit (Catalog # DAB142) for a complete optimized ELISA.</i></p> |
|--------------|---|

DATA



PREPARATION AND STORAGE

| | |
|--------------------------------|---|
| Reconstitution | Reconstitute at 0.5 mg/mL in sterile PBS. |
| Shipping | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C |
| Stability & Storage | <p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution. |

BACKGROUND

Amyloid Precursor Protein (APP) is a type I transmembrane protein that is ubiquitously expressed on cell surfaces. It undergoes complex proteolytic processing and is cleaved by alpha-, beta-, and gamma-Secretases to generate soluble APP alpha, soluble APP beta, and Amyloid beta (A beta) fragments of several lengths. One of these fragments, A beta 42, generated by beta- and gamma-Secretase activities, has been implicated in Alzheimer's disease. Aberrantly high levels of this peptide form and accumulate in the brains of Alzheimer's disease patients to create the senile plaques characteristic of the disease.