

Product datasheet for **AM26040PU-N**

Amyloid beta (1-40 specific) Mouse Monoclonal Antibody [Clone ID: CV9 7B10]

Product data:

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| Product Type: | Primary Antibodies |
| Clone Name: | CV9 7B10 |
| Applications: | ELISA |
| Recommended Dilution: | ELISA: In combination with capturer anti-amyloid peptide N-terminal antibody (Clone NT 4A2, Cat.-No AM26042PU-N), the antibody can detect A β 40 in Sandwich ELISA assay. |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | C-terminal amino acid sequence of Human beta amyloid peptide 40, conjugated with KLH |
| Specificity: | This antibody recognizes the C-terminal peptide of beta amyloid peptide 40, and full length beta amyloid peptide 40. |
| Formulation: | 0.01M PBS pH7.2 State: Aff - Purified State: Lyophilized purified IgG fraction |
| Reconstitution Method: | Restore with Double distilled water is recommended to adjust the final concentration to 1.0 mg/ml. |
| Purification: | Affinity Chromatography on Protein G |
| Conjugation: | Unconjugated |
| Storage: | Upon receipt, store (in aliquots) at -20°C. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |



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Background:

A β 40, A β 42 and A β 43 are different only at the few C-end amino acids. While the C-end amino acids showed no species specificity in mammals, the N-terminal amino acid sequences have minor discrepancies between different species. Amyloid beta peptides A β 42 and A β 40 have been investigated extensively for predicting Alzheimer's disease. A recent study on A β 43 in brain showed that A β 43 is more fibrillogenic than the other amyloid beta peptides and may be useful as a biomarker or therapeutic target for Alzheimer's disease. Antibody to N-terminal sequence can bind to all the three amyloid beta peptides.