

Product Information

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|-----------------------------------|--|
| Name | Anti beta Amyloid (1-40) monoclonal antibody |
| Target | beta Amyloid (1-40) |
| Target Species | Human |
| Target Description | Amyloid beta peptide (A β) accumulation in the brain is proposed to be an early toxic event in the pathogenesis of Alzheimer's disease. |
| Host | Mouse |
| Product Description | Monoclonal antibody produced by <i>in vitro</i> cell culture under conditions free from animal-derived components |
| Conjugation | Unconjugated/AP |
| Catalog # | 1030201/1030201(AP) |
| Solution | Saline solution, pH 6.5-7.5 with preservative |
| Appearance | Clear, transparent liquid, colorless or slightly yellow |
| Storage | 2-8°C |
| Purity | >95% |
| Subclass | IgG1, kappa |
| Affinity (K_{aff}) | >10 ⁹ L/mol |
| LoB | User Guide |
| Specificity | Positive: beta Amyloid (1-42) (on the condition of >1000pg/mL) Negative: tau (phosphorylation), HSA |
| Epitope | ND |
| Applications | <input checked="" type="checkbox"/> ELISA <input checked="" type="checkbox"/> CLIA <input type="checkbox"/> GICA <input type="checkbox"/> FIA <input type="checkbox"/> IHC |
| Pair Recommendations | <input type="checkbox"/> Capture <input checked="" type="checkbox"/> Detection Pairable with #1030101 |
| Stability | 2 years |
| Concentration | 2.0 mg/mL (+/-10%) or marked on the vial |
| Lot # | _____ |
| References | |

User Guide

Catalog # 1030

Lot # _____

CLIA

Antigen Identification

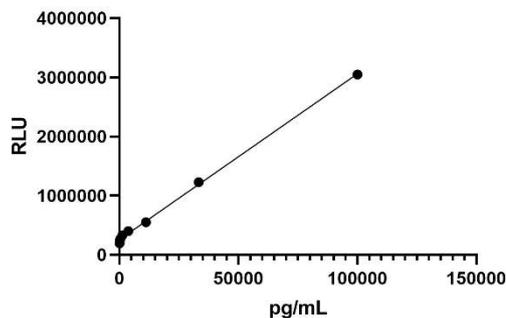
The antigen adopted in the following assays is a widely recognized clinical applied product obtained commercially.

Procedure

1. Mix 20 μ L serially diluted antigen or serum samples with 20 μ L (diluted to working conc. 50T/mL) capture reagent of 1030101(B) and 20 μ L 0.6mg/mL streptavidin-conjugated magnetic beads. Incubate with stir at 37 $^{\circ}$ C for 30 minutes.
2. Add 50 μ L (diluted to working conc. 20T/mL) detection reagent of 1030201(AP). Incubate with stir at 37 $^{\circ}$ C for 30 minutes.
3. Measure the relative light unit (RLU) of each reaction with a clinical approved chemiluminescence analyzer.

Measuring Range

The linear measuring range is 137.1-10000pg/mL ($R^2>0.99$).



Limit of Blank* *Follow the Guideline EP17 published by Clinical and Laboratory Standards Institute (CLSI)

Sample tested: blank samples. Tests: 20.

The LoB is <100pg/mL.

Limit of Detection* *Follow the Guideline EP17 published by Clinical and Laboratory Standards Institute (CLSI)

Sample tested: low concentration samples. Tests: 20.

The LoD is <120pg/mL.

Specificity

The assay shows no cross-reactivities when detecting antigens as follows: beta Amyloid (1-42) at a tested conc. of 1000pg/mL, tau (phosphorylation) at a tested conc. of 1000pg/mL, human serum albumin at a tested conc. of 100mg/mL.

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