

DATASHEET

Beta Amyloid 1-42 Mouse Monoclonal Antibody(ARA834)

CAT. NO. ARA6655

KEY FEATURES

| | | | |
|--------------|-------------------|---------------|------------|
| Target | Beta Amyloid 1-42 | Source / Host | Rabbit |
| Reactivity | Human | Clonality | Monoclonal |
| Applications | ELISA | Storage | -20°C |

BACKGROUND

Beta amyloid is a 40-43 amino acid peptide cleaved from amyloid precursor protein by a protease, gamma-secretase. Beta Amyloid (1-40) (Amyloid beta 40 or Abeta 40) together with beta Amyloid (1-42) (Amyloid beta 42 or Abeta 42) are two major C-terminal variants of the amyloid beta protein, constituting the majority of amyloid beta proteins. Both the Amyloid beta 40 and Amyloid beta 42 alloforms are major components of the extracellular plaques found in Alzheimer's disease brain tissue.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

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|-------|---------------|
| ELISA | 1:250 - 1:500 |
|-------|---------------|

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

| | |
|----------------------|---|
| Antibody Specificity | Recognizing beta Amyloid 1-42 with an epitope within 15 amino acids at the C-terminus |
| Isotype | IgG2a |
| Immunogen | Human amyloid beta precursor peptide: (707-713) |
| Cross Reactivity | Not tested |
| Recombinant | Not recombinant |
| Purification | Protein A purification |
| Form/Buffer | PBS, carrier-free, with optional 0.09% sodium azide |
| Conjugation | Unconjugated |

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

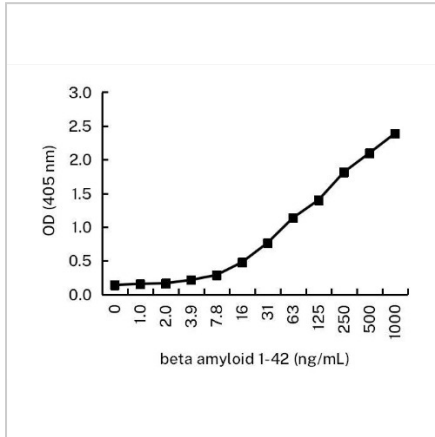
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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Microtiter wells were coated with ARA834 as the capture antibody. Human beta amyloid 1-42 was used as the antigen. Peroxidase conjugated mouse anti- Beta Amyloid 1-42 monoclonal antibody (ARA954) was used as the detection antibody. Result: ARA834 and ARA954 can be used as a matched antibody pair to detect and quantify the concentration of Beta Amyloid 1-42.

STORAGE

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com