

DATASHEET

Human Beta Amyloid 1-42 Antibody Pair(ARA954/ARA834)

CAT. NO. ARA6834

KEY FEATURES

Target	Beta Amyloid 1-42	Source / Host	Mouse
Reactivity	Human	Clonality	Monoclonal
Applications	Sandwich 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.

Products include	Catalog No.
Beta Amyloid Mouse Monoclonal Antibody(ARA954)	ARA6798
Beta Amyloid 1-42 Mouse Monoclonal Antibody(ARA834)	ARA6655
Human beta Amyloid 1-42 peptide	AXP6611

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

PRODUCT OVERVIEW

Antibody Pair Specificity	Beta Amyloid 1-42
Species Reactivity	Human
Protein Standard	Human beta Amyloid 1-42 polypeptide [AXP6611]
Target Antigen	Protein name: amyloid beta precursor protein; Gene name: APP; UniProt Accession: P05067; Organism: Homo sapiens (Human)

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

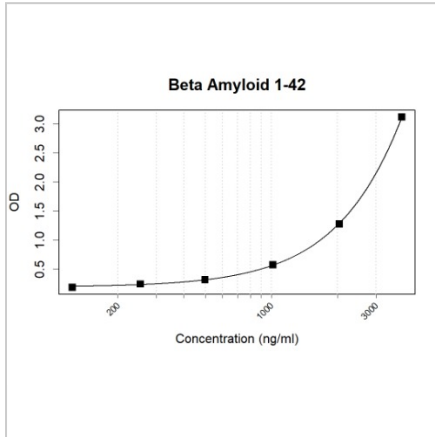
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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Microtiter wells were coated with ARA954 at 2 µg/mL as the capture antibody. Human beta Amyloid 1-42 peptide (Cat #: AXP6611) was used as the antigen. 700 ng/mL biotin conjugated Beta Amyloid 1-42 Antibody [ARA834] was used as the detection antibody. Result: ARA954 and ARA834 can be used as a matched antibody pair to detect and quantify the concentration of Human Beta Amyloid 1-42 with high specificity.

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