DATASHEET

Human Beta Amyloid 1-40 antibody pair (ARA988/ARA954)

CAT. NO. ARA6890

KEY FEATURES

Target	Beta Amyloid 1-40	**Source/Host**	Mouse
Clonality	Monoclonal	**Applications**	ELISA
Storage	at -20°C	**Species Cross-reactivity**	Human

BACKGROUND

Amyloid-beta (1-40), abbreviated as Aβ(1-40), is a 40-residue peptide derived from the amyloid precursor protein (APP) and is involved in the pathogenesis of Alzheimer's disease (AD). It is one of the two main C-terminal variants of the amyloid-beta peptide, along with Aβ(1-42). Both Aβ(1-40) and Aβ(1-42) form aggregates and deposits in the AD brain, contributing to the formation of senile plaques. Unaggregated soluble Aβ(1-40) can also exhibit toxic effects and influence behavior and memory. Additionally, Aβ(1-40) has been shown to interact with synaptic structures such as postsynaptic density-95 (PSD-95), leading to its degradation and affecting synaptic function.

APPLICATION

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

WB	1:500 - 1:2000

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

OVERVIEW

Specificity	Beta Amyloid 1-40
Reactivity	Human
Protein Standard	Human beta Amyloid 1-40 polypeptide
Target Antigen	Protein name: amyloid beta precursor proteinGene name: APPOrganism: Homo sapiens (Human)
Cross Reactivity	Not Tested

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

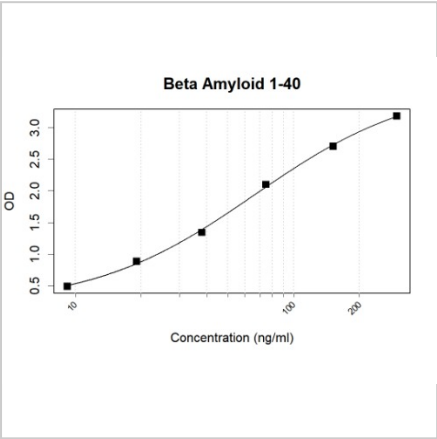
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET

Human Beta Amyloid 1-40 antibody pair (ARA988/ARA954)

CAT. NO. ARA6890

DATA



Sandwich ELISAMicrotiter wells were coated with ARA6886 at 3 µg/mL as the capture antibody. Recommbinant Beta Amyloid 1-40 protein (ARA6616) was used as the antigen. 1 µg/mL Beta Amyloid Antibody ARA6798 was used as the detection antibody.Result: ARA6886 and ARA6798 can be used as a matched antibody pair to detect and quantify the concentration of Human Beta Amyloid 1-40 with high specificity.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

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

More information: www.arexbio.com