**Product no AS08 329**  
Abeta (1-42) | Amyloid-beta peptide 1-42

**Product information**

**Background**  
Alzheimer’s disease (AD) is the most prevalent neurodegenerative disease in the growing population of elderly people. A hallmark of AD is the accumulation of plaques in the brain of AD patients. The plaques predominantly consist of aggregates of amyloid-beta (Abeta), a peptide of 39-42 amino acids generated in vivo by specific, proteolytic cleavage of the amyloid precursor protein [P05067](https://www.uniprot.org/uniprot/P05067).  

**Immunogen**  
synthetic peptide chosen from human Abeta (1-42) protein. Amino acid sequence:  

**Host**  
Chicken

**Clonality**  
Polyclonal

**Purity**  
Total IgY

**Format**  
Liquid in PBS pH 8.0, 0.02% sodium azide

**Quantity**  
100 µl

**Storage**  
Store at 4°C; make aliquots to avoid working with a stock. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from liquid material adhering to the cap or sides of the tubes.

**Tested applications**  
Dot Blot (Dot), ELISA (ELISA)

**Related products**  
Alzheimer | available antibodies for Alzheimer’s disease

**Application information**

**Recommended dilution**  
1 : 1000 (Dot), 1 : 500 (ELISA)

**Expected | apparent MW**  
4.5 kDa

**Confirmed reactivity**  
Human

**Predicted reactivity**  
Bovine, Chicken, Dog, Porcine, Rabbit

**Not reactive in**  
No confirmed exceptions from predicted reactivity are currently known.

**Additional information**  
The antibody can detect Abeta(1-42), but does not react with Abeta(1-28) Abeta(1-20) or Abeta(1-17). For high resolution images, please visit the specific product page at www.agrisera.com

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**Dot blot application example**

- Membrane: Nitrocellulose
- Blocking buffer: 5% dry milk in PBS, 0.1% Tween 20
- Antibody dilution: 1:1000
- Secondary antibody: anti-chicken (HRP)
- Detection: Enhanced Chemoluminescence (pico) 30s