

Agrisera

This product is for research use only (not for diagnostic or therapeutic use)

contact: support@agrisera.com

Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | www.agrisera.com

Product no **AS19 4308**

Abeta (18-30) | Amyloid-Beta peptide 18-30

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.
Immunogen	Synthetic peptide chosen from human Abeta (18-30) peptide VFFAEDVGSNKGA
Host	Rabbit
Clonality	Polyclonal
Purity	Affinity purified serum, in PBS pH 7.4
Format	Lyophilized
Quantity	50 µg
Reconstitution	For reconstitution add 50 µl, of sterile water.
Storage	Store lyophilized/reconstituted at -20 °C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.
Tested applications	Dot blot (Dot), ELISA (ELISA)
Related products	AS19 4309 Anti-Amyloid-Beta 1-11, rabbit antibodies AS19 4310 Anti-Amyloid-Beta 1-11, rabbit antibodies

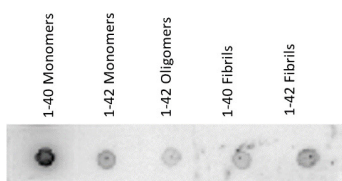
Application information

Recommended dilution	1 : 1000 (Dot), 1:3000 (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

For high resolution images, please visit the specific product page at www.agrisera.com

Application example

Amyloid Beta – 8 ng



All samples was prepared and handled on ice. Monomers of Amyloid-Beta 1-40 and 1-42, recombinant and synthetic peptides respectively ([Alexo-Tech AB](#)) were prepared by solubilization of 1mg peptide in 50µl 20 mM NaOH followed by dilution with 1x PBS. Finally the peptides were

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centrifuged to discard any aggregated peptide. For oligomers, the solution described above was performed followed by incubation at 25°C for 2 hours with gentle agitation. The oligomer fraction was separated and collected by gel filtration. For fibrils, the dissolution described above was performed followed by incubation in 37°C for 48h. Before use, the fibrils were sonicated for 2x 1 seconds at 21% amplitude. For all samples, 2µl was dotted on nitrocellulose membrane with the total protein amount of, 16, 8, 4, 2 and 1ng. The membrane was dried in room temperature and stored in room temperature until use. Blot was blocked with TBS + 1% dry milk + 0.3% tween-20 for 1 hour at room temperature with agitation, Blot was incubated in the primary antibody at a dilution of 1: 1 000 in blocking solution ON/4°C with agitation. The antibody solution was decanted and the blot was rinsed briefly twice, then washed once for 15 min and 3 times for 5 min in TBS-T at RT with agitation. Blot was incubated in Agrisera matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated, [AS09 602](#)) diluted to 1:4000 in for 1h/RT with agitation. The blot was washed as above and developed for 2 min with chemiluminescent detection reagent. Exposure time was 90 seconds.