Agrisera
Part of Olink® Group

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 **AS10 932B**

Anti-Amyloid beta oligomer-specific monoclonal antibody (OMAB), Biotinylated

Product information

Immunogen	Partly aggregated, recombinant peptide corresponding to the human Abeta (1-40). Amino acid sequence: D-A-E-F-R-H-D-S-G-Y-E-V-H-H-Q-K-L-V-F-F-A-E-D-V-G-S-N-K-G-A-I-I-G-L-M-V-G-G-V-V.
Host	Mouse
Clonality	Monoclonal
Subclass/isotype	IgM
Purity	Affinity purified in PBS pH 7.4.
Format	Lyophilized
Quantity	50 µg
Reconstitution	For reconstitution add 100 µl of sterile water
Storage	Store lyophilized/reconstituted at 4°C. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.
Additional information	OMAB antibody has been purified by by ion-exchange chromatography and is supplied in PBS without any additives as carrier proteins or sodium azide. Binding of OMAB antibody and Abeta oligomers at RT takes about 15 min. Fibrils are inaccessible for OMAB antibodies therefore if a discrimination between fibrils and oligomers is to be achieved, dot blot can be used. Start with antigen concentration of 500 ng/dot followed by 2X dilution steps. Blocking: non-fat milk and washes with 0.3 % Tween 20 in TBS pH 7.4.

Application information

Recommended dilution	Coating antibody at 2 µg/ml (ELISA), 1 : 500 (IHC)
Expected | apparent MW	4.5 kDa
Confirmed reactivity	Human Abeta oligomers only
Predicted reactivity	Rat
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	OMAB antibody is a versatile tool within research of Alzheimer's disease, A sandwhich ELISA illustrates its potential regarding its high selectivity towards A? oligomers
Selected references	Richman et al. (2013). In Vitro and Mechanistic Studies of an Anti-Amyloidogenic Self-Assembled Cyclic D,L-#-Peptide Architecture. J. Americal Chemical Societ, Jan 19. Lindhagen-Persson et al. (2010). Amyloid- Oligomer Specificity Mediated by the IgM Isotype – Implications for a Specific Protective Mechanism Exerted by Endogenous Auto-Antibodies. PLoS ONE.