

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

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#### Product no AS13 2715

# Anti-mAB-O | Mouse anti-human Abeta protein (3-10) region, oligomer-specific (clone 3E5,F8) **Product information**

**Immunogen** Synthetic peptide chosen from human Abeta (1-42) protein.

Host Mouse

Clonality Monoclonal

**Subclass/isotype** IgG1, kappa light chain (clone number 3E5, F8)

Purity Immunogen affinity purified serum in PBS pH 7.4.

Format Lyophilized

Quantity 50 μg

**Reconstitution** For reconstitution add 50 μl of sterile water

Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. 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.

# Application information

**Recommended dilution** 10 μg/ml (IL), 1-2 μg/ml (Dot), 1 μg/ml (ELISA capture)

Expected | apparent

Confirmed reactivity Human

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

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

Additional information

Immunolocalization: human tissue was paraffin-embedded and sectioned. De-waxed and rehydrated in an ethanol gradient. Antigens were retrieved in sodium citrate buffer (pH 6) at 95 °C for 1 h. The tissue sections were separately incubated for 1 h at RT with primary antibody and antibody binding was visualized with IgG Preoxidase Reagent Kit.

This Monoclonal IgG1, kappa light chain, (clone number 3E5.F8) is specific for human Amyloid-Beta oligomers.

Selected references

Brännström et al. (2014). A Generic Method for Design of Oligomer-Specific Antibodies. PLoS ONE. DOI: 10.1371/journal.pone.0090857.

## **Application examples**

#### Dot blot



Dot blot reaction of the binding capacity of mAB-O to fibrils, monomers and oligomers. Equal amounts of each sample were spotted on a nitrocellulose membrane and then dried. The membrane was blocked with 5% non-fat milk before incubated for 1 h with anti-mAB-O (25nM) and then with secondary antibody, anti-mouse HRP-conjugated (1:1500). The membrane was washed with PBS containing 0.25% Tween-20 before detection using ECL prime (GE Healthcare).

### Immunolocalization





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IHC used to illustrate the lack of binding of mAB-O to plaques. Tissue sections from the human AD hippocampus were de-waxed and rehydrated in ethanol and then incubated with AS08 357 (A) and mAB-O(B) at RT for 1h. The immunoreactivity was detected with the anti-mouse Peroxidase Reagent Kit (ImmPRESS, Vector Laboratories, Inc.) and then developed using the ImmPACT AEC Peroxidase Substrate kit (Vector Laboratories, Inc.).