Human Presenilin-1 N-Terminal Fragment
Antibody
Monoclonal Mouse IgG2A Clone # 121130
Catalog Number: MAB1491

**DESCRIPTION**

**Species Reactivity**  
Human

**Specificity**  
Detects human Presenilin-1 N-Terminal Fragment in direct ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant human (rh) Presenilin-1 C-Terminal Fragment, rhPresenilin-2 C-Terminal Fragment, or rhPresenilin-2 N-Terminal Fragment is observed.

**Source**  
Monoclonal Mouse IgG2A Clone # 121130

**Purification**  
Protein A or G purified from hybridoma culture supernatant

**Immunogen**  
E. coli-derived recombinant human Presenilin-1 N-Terminal Fragment  
Met1-Lys80  
Accession # P49768

**Formulation**  
Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.  
*Small pack size (SP) is supplied as a 0.2 μm filtered solution in PBS.

**APPLICATIONS**

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

<table>
<thead>
<tr>
<th>Sample</th>
<th>Recommended Concentration</th>
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<tr>
<td>Recombinant Human Presenilin-1 N-Terminal Fragment</td>
<td>1 μg/mL</td>
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**PREPARATION AND STORAGE**

**Reconstitution**  
Reconstitute at 0.5 mg/mL in sterile PBS.

**Shipping**  
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.  
*Small pack size (SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C.

**Stability & Storage**  
Use a manual defrost freezer and avoid repeated freeze-thaw cycles.  
- 12 months from date of receipt, -20 to -70 °C as supplied.  
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.  
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

**BACKGROUND**

Presenilin-1 (PS-1) is a 467 amino acid multipass lysosomal membrane protein that is a component of the gamma secretase complex. It is cleaved by endoproteolysis at or near amino acid 298 to generate N- and C-terminal fragments. Some mutations in PS-1 are associated with the risk of early onset familial Alzheimer’s disease.