

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human Presenilin-1 N-Terminal Fragment in direct ELISAs and Western blots. Does not cross-react with recombinant human (rh) Presenilin-2 N-Terminal Fragment, rhPresenilin-1 C-Terminal Fragment, or rhPresenilin-2 C-Terminal Fragment.
<b>Source</b>	Monoclonal Mouse IgG <sub>2B</sub> Clone # 121121
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human Presenilin-1 N-Terminal Fragment Lys1-Lys80 Accession # P49768
<b>Formulation</b>	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.

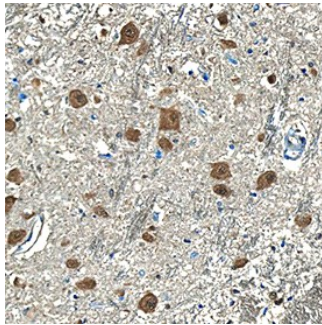
## APPLICATIONS

**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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	1 µg/mL	Recombinant Human Presenilin-1 N-Terminal Fragment
<b>Immunohistochemistry</b>	1-25 µg/mL	See Below

## DATA

### Immunohistochemistry



**Presenilin-1 in Human Brain.** Presenilin-1 was detected in immersion fixed paraffin-embedded sections of human brain (medulla) using Mouse Anti-Human Presenilin-1 N-Terminal Fragment Monoclonal Antibody (Catalog # MAB149) at 1.7 µg/mL for 1 hour at room temperature followed by incubation with the Anti-Mouse IgG VisUCyte™ HRP Polymer Antibody (Catalog # VC001). Tissue was stained using DAB (brown) and counterstained with hematoxylin (blue). Specific staining was localized to neuronal cell bodies. View our protocol for [IHC Staining with VisUCyte HRP Polymer Detection Reagents](#).

## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	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
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>• 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>• 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>• 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

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