



Anti-human Presenilin-1 (CTF) Antibody

ORDERING INFORMATION

Catalog Number: AF166

Lot Number: ETG0107011

Size: 100 µg

Formulation: 0.2 µm filtered solution in PBS
with trehalose

Storage: -20° C

Reconstitution: sterile PBS

Specificity: human PS-1 CTF

Immunogen: *E. coli*-derived rhPS-1 CTF

Ig type: goat IgG

Applications: Western blot
Immunohistochemistry
Direct ELISA

Preparation

Produced in goats immunized with purified, *E. coli*-derived, recombinant human Presenilin-1 carboxy-terminal fragment (aa 298 - 407) (rhPS-1 CTF). Human PS-1 CTF specific IgG was purified by human PS-1 CTF affinity chromatography.

Formulation

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

Endotoxin Level

< 10 ng per 1 mg of the antibody as determined by the LAL method.

Reconstitution

Reconstitute with sterile PBS. If 1 mL of PBS is used, the antibody concentration will be 0.1 mg/mL.

Storage

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C **in a manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Specificity

This antibody has been selected for its ability to recognize rhPS-1 CTF in direct ELISAs and Western blots. In these formats, this antibody shows no cross-reactivity with rhPS-1 NTF (aa 1 - 80), rhPS-2 CTF (aa 322 - 388) and rhPS-2 NTF (aa 1 - 80).

Applications

Western blot - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human PS-1 CTF. The detection limit for rhPS-1 CTF is approximately 5 ng/lane under non-reducing and reducing conditions.

Immunohistochemistry - This antibody will detect PS-1 CTF in paraffin-embedded tissue sections. The working dilution is 15 µg/mL. For chromogenic detection of labeling, use R&D Systems' Cell and Tissue Staining kits (CTS Series).

Direct ELISA - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human PS-1 CTF. The detection limit for rhPS-1 CTF is approximately 0.13 ng/well.

Optimal dilutions should be determined by each laboratory for each application.

For immunohistochemistry images, please refer to our website at http://www.RnDSystems.com/asp/c_immunohistochemistry_add.asp