

ORDERING INFORMATION

Catalog Number: AF1235

Lot Number: HRP01

Size: 100 µg

Formulation: 0.2 µm filtered solution in PBS
with 5% trehalose

Storage: -20° C

Reconstitution: sterile PBS

Specificity: human Neurotrimin

Immunogen: NS0-derived rhNeurotrimin
(aa 31 - 321)

Ig Type: goat IgG

Applications: Direct ELISA
Western blot
Immunohistochemistry

Preparation

Produced in goats immunized with purified, NS0-derived, recombinant mature human Neurotrimin (rhNeurotrimin). Human Neurotrimin specific IgG was purified by human Neurotrimin affinity chromatography. Neurotrimin is in a glycosyl phosphatidyl inositol (GPI)-anchored cell adhesion molecule on neuronal populations. It is a member of the IgLON (immunoglobulin superfamily containing LAMP, OBCAM and Neurotrimin) subfamily of the immunoglobulin superfamily.

Formulation

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

Endotoxin Level

< 0.5 EU per 1 µg 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 human Neurotrimin in direct ELISAs and western blots.

Applications

Direct ELISAs - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human Neurotrimin. The detection limit for rhNeurotrimin is approximately 0.2 ng/well.

Western blot - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human Neurotrimin. The detection limit for rhNeurotrimin is approximately 25 ng/lane and 5 ng/lane under non-reducing and reducing conditions, respectively.

Immunohistochemistry - This antibody will detect Neurotrimin in cells and tissues. The working dilution is 2 - 5 µg/mL. For chromogenic detection of labeling, use R&D Systems' Cell and Tissue Staining Kits (CTS Series).

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