

## TECHNICAL INFORMATION

# ImmunO™

Catalog Number: 697301

**Mouse Anti-Synaptophysin IgG1 Monoclonal (Clone: SY38)****Form:** Lyophilized powder (50µg). The antibody is in PBS buffer, pH 7.4, with 0.5 % BSA.**Description:** The immunogen used to make this antibody is synaptophysin from presynaptic vesicles prepared from bovine brain. The mouse monoclonal antibody is then purified by Protein A affinity chromatography.**Isotype:** Mouse IgG1**Clone:** SY 38**Specificity:** SY 38 represents an excellent marker for several neuroendocrine, neuronal and adrenal tumors. The antibody reacts with synaptophysin, a transmembrane glycoprotein of presynaptic vesicles (38 kDa.).**Reconstitution:** Reconstitute with 1.0 ml of distilled water.**Working Dilution:** 1:50. It is recommended that each lab obtain their own optimum working dilution by titration assay. Note: For immunohistochemical application dilute with PBS, pH 7.4. In no case is there protease pretreatment. Incubation time is 1 hour at room temperature. This time is extended with paraffin.**Antigen Recognized in Species:** Human, bovine, rat and mouse.**Reactivities on Cultured Cell Lines (tested so far):** Rat PC-12 cell line**Applications:** Frozen and paraffin embedded tissue, cytological material, FACS analysis, immunofluorescence, immunoblotting (Western).**References:**

- Weidenmann, B., Franke, W.W., **Cell** **45**, 1017-1028, 1985.
- Weidenmann, B., Franke, W.W., Kuhn, C. et al., **Proc. Natl. Acad. Sci. USA** **83**, 3500-3504, 1986.
- Gould, V.E. et al., **American J. Pathology** **126**, 243-257, 1987.
- Gould, V.E. et al., **Human Pathology** **17**, 979-983, 1986.
- Gould, V.E. et al., **Arch Pathol Lab Med** **111**, 791-794, 1987.
- Kelly, R.B. et al., **Cold Spring Harbor Symp. Quant. Biol.** **48**, 697-705, 1983.

**Note:** This product may contain a preservative such as sodium azide, thimerosal or proclin. Please see lot specific chemical credential for preservative information.

[If a titer/working dilution is not given above, please click here to see a general dilution chart for working with antibodies. Please note that the general dilution chart should only be used as a guideline. Each lab should determine their own optimal working dilution.](#)

[Will this antibody work with your application? Please click here to see a general chart of antibody applications. Please note that any information given above is primary application data. The general applications charts should only be used as a reference.](#)