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**Anti-Human Syntaxin
Monoclonal Antibody**

Catalogue#	Format	Size	Concentration	Isotype Control
CL2707AP	Purified	200 µg	1.0 mg/ml	CLCMG100
CL2707B	Biotin	100 µg	0.1 mg/ml	CLCMG115
CL2707F	FITC	100 µg	0.1 mg/ml	CLCMG101

Isotype: Mouse IgG1

DESCRIPTION:

Syntaxin 1 is a 35 KDa integral membrane protein that possesses a single C-terminal transmembrane domain, a SNARE domain (H3) and an N-terminal regulatory domain (Habc). Two isoforms of Syntaxin 1 have been identified, Syntaxin 1A and Syntaxin 1B. Syntaxin 1A localizes to nerve terminals of sensory neurons and nerve fibres reaching small blood vessels. Whereas Syntaxin 1B is localized to motor end plates and muscle spindles.

Syntaxin 1A resides at the pre-synaptic membrane and is a key component of the SNARE core complex that also includes Synaptobrevin-2 and SNAP25. Several other proteins including synaptotagmin-1, Munc18-1 and complexin also bind this complex to form the functional SNARE complex. SNARE is responsible for driving secretory vesicle docking, fusion and ultimately exocytosis.

PRESENTATION:

Purified: Purified IgG buffered in PBS and 0.02% NaN₃. (Purified from ascitic fluid via Protein G Chromatography). For maximal recovery of contents, please quick-spin vial before opening.

Biotin and FITC: Biotin/FITC conjugated IgG buffered in PBS, 0.02% NaN₃ and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/mL.

STORAGE/STABILITY:

Store at +4°C. For long term storage, aliquot and freeze unused portion at -20°C in volumes appropriate for single use. Avoid freeze thaw cycles.

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APPLICATIONS:

This antibody is suitable for use in Western Blot, ELISA, Flow Cytometry and Immunofluorescence (1:500 dilution).

SPECIFICATIONS:

Clone: SP8

Hybridoma Production:

Immunization: Mouse monoclonal antibodies raised against Crude synaptic preparation from post mortem human brain.

Specificity: This antibody is specific for the human pre-synaptic membrane protein syntaxin (isoform 1A, amino acids 4-190). [also reacts with mouse, rat and pig].

Appropriate control samples should always be included in any labeling studies.

*** For optimal results in various applications, it is recommended that each investigator determine dilutions appropriate for individual use.**

REFERENCES:

1. De Wit, H et al. **Synaptotagmin-1 docks secretory vesicles to Syntaxin-1/SNAP-25 acceptor complexes.** Cell. 138, 935-946, 2009.
2. Honer, WG et al. **Cingulate cortex synaptic terminal proteins and neural cell adhesion molecule in schizophrenia.** Neuroscience. 78(1), 99-110, 1997.
3. Honer, WG et al. **Human synaptic proteins with a heterogeneous distribution in cerebellum and visual cortex.** Brain Res. 609(1-2), 9-20, 1993.
4. Honer, WG et al. **Monoclonal antibodies to study the brain in schizophrenia.** Brain Res. 500(1-2), 379-83, 1989.
5. Lang, T. and Jahn R. **Core proteins of the secretory machinery.** Handb. Exp. Pharmacol. (184): 107-27, 2008.
6. Ungermann, C. and Langosch, D. **Functions of SNAREs in intracellular membrane fusion and lipid bilayer mixing.** J. Cell Science. 118, 3819-3828, 2005.

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