CLAIMS

1. A method of detecting synapses in a biological sample, the method comprising
   a) contacting the biological sample with an isolated anti-C1q antibody comprising a light chain variable domain and a heavy chain variable domain, wherein the light chain variable domain comprises the HVR-L1, HVR-L2, and HVR-L3 of the monoclonal antibody M1 produced by a hybridoma cell line with ATCC Accession Number PTA-120399 or progeny thereof; and/or wherein the heavy chain variable domain comprises the HVR-H1, HVR-H2, and HVR-H3 of the monoclonal antibody M1 produced by a hybridoma cell line with ATCC Accession Number PTA-120399 or progeny thereof, and
   b) detecting antibody bound to synapses, thereby detecting synapses in the biological sample, further comprising a step before step a) of obtaining the biological sample from an individual.
2. The method of claim 1, wherein the biological sample comprises a biopsy specimen, a tissue, or a cell.
3. The method of claim 2, wherein the antibody is detected by immunofluorescence microscopy, immunocytochemistry, immunohistochemistry, ELISA, FACS analysis, or immunoprecipitation.