Supplementary Figure 1

Relative affinity of monoclonal and polyclonal anti-GFP antibodies to EGFP or EYFP-tagged scaffolding proteins.

Hippocampal neurons were infected with recombinant adenoviruses of EGFP, PSD-95-EGFP, EYFP-GKAP, EGFP-Shank2, and EGFP-PSD-Zip45. Cells were reacted with both monoclonal and polyclonal anti-GFP antibodies and visualized by Cy3 and Alexa 633-labelled secondary antibodies. Intensity ratios of Alexa 633/Cy3 fluorescence in dendrites of 30 neurons were calculated for each preparation. Although fluorescence intensity ratios of PSD-95-EGFP and EYFP-GKAP were significantly different from EGFP (** P < 0.005), the differences were within the range of ±15%. Error bars are ± s.d.