



Fig. 11. Photomicrographs of immunofluorescence of coronal sections at the level of the facial nucleus of brainstem and the lumbar part of spinal cord of adult mice. The sections were immunostained with specific antibodies against B-Raf (A,C) and c-Raf-1 (B,D) protein kinases by using Cy3 fluorochrome-labelled secondary antibody for visualization. Single motoneurons in the regions were selected and analyzed under the confocal laser scanning microscope (50 X). Note that B-Raf and c-Raf-1 are confined obviously to the cytoplasm of the motoneurons. The expression pattern of the two Rafs is widespread within the cytosol of the motoneurons. Sometimes strong immunosignals for B-Raf are located near the nuclear membrane. Again, the intensity of B-Raf immunostaining appeared stronger than c-Raf-1.