



Fig. 7. Photomicrographs of immuofluorescence of coronal sections at the level of the lumbar part of spinal cord and the facial nucleus of brainstem of adult *bcl-2*^{+/+} (A,C) and *bcl-2*^{-/-} (B,D) mice. The sections were immunostained with specific antibody against cytochrome c 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 the immunoexpression of cytochrome c is located in intracellular compartments (mitochondria) and widespread within cytosol of the motoneurons. The immunosignal for cytochrome c in the cytosol of motoneurons obviously displayed a diffusely intensified pattern in *bcl-2*^{-/-} motoneurons in comparison with *bcl-2*^{+/+} ones.