Identification of normal and defective vascular development in EBs by staining with ICAM-2 antibodies. EBs were cultured under normoxic or hyperoxic conditions between d2 and d5 and then grown for one week as adherent colonies in normal air. At the end of the incubation, EBs were stained with antibodies to ICAM-2 (rat anti mouse, 3C4, BD Pharmingen, 1:300). a EBs that were cultured under normoxic conditions displayed a normal vascular development with numerous elongated structures, similar to that identified with antibodies to PECAM-1. b EBs that were treated with hyperoxia during the early phase of differentiation showed a defective vascular development, similar to that shown in PECAM-1-stained cultures. Scale bar: a = 100µm; b = 50µm.