Supplemental Figure 1. Generation of L-cell clones stably expressing cadherins.

Flow cytometric analysis of L-cell clones stably transfected with cadherin-11 cDNA, E-cadherin cDNA, or control vector (no cadherin). L-cell transfectants were stained with anti-E-cadherin mAb E4.6, anti-cadherin-11 mAb 3H10, or anti-MHC class I mAb. All monoclonal antibodies are mouse IgG1.

Supplemental Figure 2. Formation of AJs in FLS.

Intracellular catenins localize to cell-to-cell contacts in cultured FLS. FLS were cultured on cover slips for 3 days and processed for indirect IF microscopy using phalloidin to label F-actin (green) and anti-p120-catenin, β-catenin, or α-catenin to label AJs. The antibodies to catenins labeled AJs as short parallel lines (red). By contrast, isotype control antibodies did not label AJs.

Supplemental Figure 3. Schematic structure of the human cadherin-11-Fc fusion protein.

The five extracellular cadherin domains (CAD1-5) and Fc domains of human IgG1 are depicted as semicircles. Disulfide bonds connect the two chains. The sequence of the extracellular juxta-membrane region of wild-type cadherin-11 and the alterations resulting from fusion with the human Fc region are shown at the joint. Regions corresponding to the Fc portion are shown in bold.