# BioVision

# Human CellExp™ DLL1, Mouse Recombinant

**CATALOG NO:**   P1162-10   10 µg
                  P1162-50   50 µg

**ALTERNATE NAMES:**   Delta-like Protein 1, Delta 1

**SOURCE:**   HEK 293 cells (aa 18-545)

**PURITY:**   ≥ 90% by SDS – PAGE

**SEQUENCE:**   Extracellular domain of mouse DLL1 (aa 18-545) is fused at the C-terminus to the Fc portion of human IgG1

**ENDOTOXIN LEVEL:**   <0.1 EU/µg protein by LAL method

**MOL. WEIGHT:**   ~100kDa

**FORM:**   Lyophilized

**FORMULATION:**   Lyophilized from 0.2 µm-filtered PBS

**STORAGE CONDITIONS:**

For short term store at +4°C (1-2 weeks). For long term storage, store at -20°C. After opening, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles.

**RECONSTITUTION:**   10 µg size: Reconstitute with 100µl sterile water.
                     50 µg size: Reconstitute with 50µl sterile water.

**DESCRIPTION:**   The Notch ligand delta-like protein 1 (DLL1) is essential for postnatal arteriogenesis and contributes to tumor progression. DLL1 is involved in differentiation and self-renewal of adipocyte stem cells. Blocks the differentiation of progenitor cells into the B cell lineage while promoting the emergence of a population of cells with the characteristics of a T cell/NK-cell precursor.

**BIOLOGICAL ACTIVITY:**   Inhibits adipogenesis of 3T3L-1 cells. Induces Hes-1 in 3T3L-1 cells
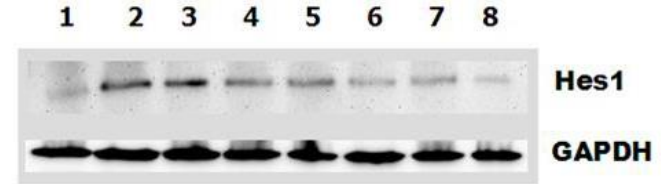


**Induction of Hes-1 with the treatment of recombinant mouse DLL1:** 3T3L1 cells were stimulated with 5mg/ml of mouse DLL1- as in indicated time points and each cell lysate was prepared and subjected to western blot by using anti-mouse Hes1 or GAPDH.
Lane 1: mDLL1, 0 min Lane 2: mDLL1, 10min Lane 3: mDLL1, 30min Lane 4: mDLL1, 1hr Lane 5: mDLL1, 2hr Lane 6: mDLL1, 4hr Lane 7: mDLL1, 8hr Lane 8: mDLL1, 24hr

**RELATED PRODUCT:**

- Human CellExp™ sDLL-1, Human Recombinant **(Cat. No. 7133)**
- Human CellExp™ sDLL-4, Human Recombinant **(Cat. No. 7134)**
- Notch-1, mouse recombinant **(Cat. No. 7530)**
- Notch-2, mouse recombinant **(Cat. No. 7531)**
- Notch 1 Antibody **(Cat. No. 3881)**
- Notch-1 (human) ELISA Kit **(Cat. No. K4763)**

*FOR RESEARCH USE ONLY!  Not to be used on humans.*