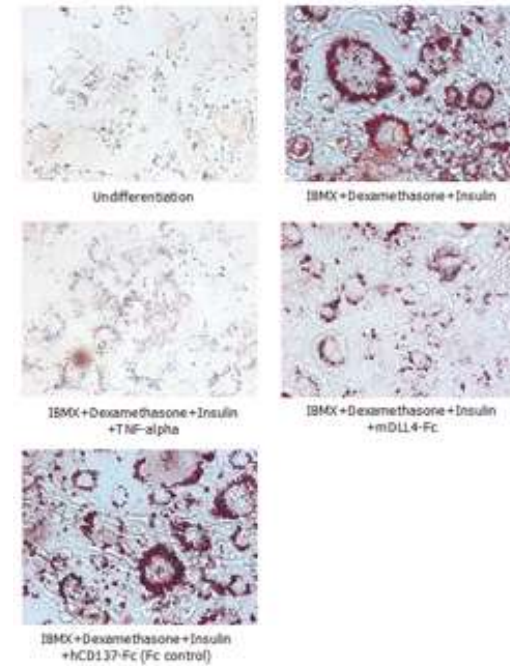


Human CellExp™ DLL4, Mouse Recombinant

CATALOG NO:	P1163-10	10 µg
	P1163-50	50 µg
ALTERNATE NAMES:	Delta-like Protein 4, Delta 4	
SOURCE:	HEK 293 cells (aa 1-532)	
PURITY:	≥ 90% by SDS – PAGE	
SEQUENCE:	Signal peptide and extracellular domain of mouse DLL4 (aa 1-532) 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:	~95 kDa	
FORM:	Liquid	
FORMULATION:	0.2 µm-filtered solution in PBS	
STORAGE CONDITIONS:	For short term store at +4°C (1-2 weeks). For long term storage, aliquot and store at -20°C. Avoid repeated freezing and thawing cycles.	
DESCRIPTION:	The Notch ligand delta-like protein 4 (DLL4) is expressed highly and selectively within the arterial endothelium and has been shown to function as a ligand for Notch1 and Notch4. It is induced by VEGF as a negative feedback regulator and acts to prevent overexuberant angiogenic sprouting, pro-moting the timely formation of a well differentiated vascular network. DLL4-Notch1 signaling regulates the formation of appropriate numbers of tip cells to control vessel sprouting and branching in the mouse retina.	
BIOLOGICAL ACTIVITY:	Inhibits adipogenesis of 3T3L-1 cells	



Adipogenesis inhibition of 3T3L1 cells: 3T3L1 cells were maintained in DMEM, supplemented with 10% fetal bovine serum, penicillin-streptomycin. Adipogenesis was initiated by adding 1 µM Dexamethasone, 0.5 mM IBMX, 10 µg/m Insulin (day 0) until day 2. The medium was replaced every 2 days with new medium containing insulin in the presence or absence of 5µg/ml mDLL4, hTNFα and hCD137-Fc (Fc control). Staining with Oil Red O was typically performed on day 7.

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.