Human Jagged 1 protein, human IgG1 Fc tag (active)

Cat. No. GTX65636-pro

Applications	Functional Assay
Species	Human

Applications

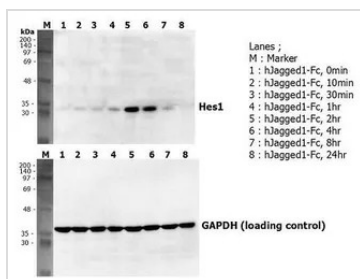### Application Note

Inhibits adipogenesis of mesenchymal stem cells (MSCs). Induces Hes-1 in 3T3L-1 cells.

Properties

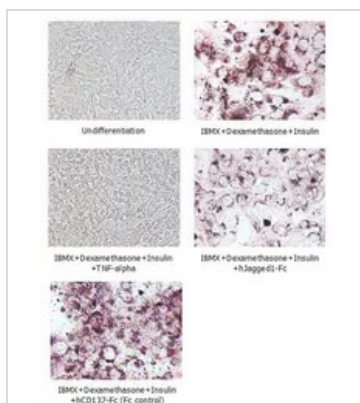|	
Form	Liquid
Buffer	PBS
Preservative	No preservatives
Storage	Store as concentrated solution. Aliquot and store at -20ºC or below. Avoid freeze-thaw cycles.
Concentration	0.5 mg/ml (Please refer to the vial label for the specific concentration.)
Region/Sequence	Signal peptide and extracellular domain of human Jagged-1 (HJ1; CD339) (a.a. 1-1067) are fused at the C-terminus to the Fc portion of human IgG1.
Expression System	HEK293 cells
Purity	??90% by SDS-PAGE.
Endotoxin	< 0.1 EU/µg
Conjugation	Unconjugated
Note	For In vitro laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

DATA IMAGES

GTX65636-pro Image

Induction of Hes-1 with the treatment of GTX65636-pro Jagged 1 Fc fusion protein. A mouse preadpipocyte cell line, 3T3L1, was stimulated with 5µg/ml of human Jagged1-Fc fusion protein as in indicated time points and each cell lysate was prepared and subjected to western blot by using human Hes1 antibody or GAPDH antibody.

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GTX65636-pro Image

Adipogenesis inhibition of 3T3L-1 cells. When the cells were confluently grown adipogenesis was initiated by adding IBMX, Dexamethasone, and insulin to 0.5mM, 1µM, and 10µg/ml, respectively and continued for 2 days (day 0).The medium was replaced every 2 days with new medium containing insulin in the presence or absence of 5µg/ml of human Jagged1-Fc (GTX65636-pro) and human CD137-Fc as a control-Fc. Staining with Oil Red O was typically performed on day 7.

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