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Datasheet for ABIN5564309

DLL4 Protein (AA 1-529, Extracellular Domain) (Fc Tag)

Overview

Quantity:	10 µg
Target:	DLL4
Protein Characteristics:	AA 1-529, Extracellular Domain
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This DLL4 protein is labelled with Fc Tag.
Application:	SDS-PAGE (SDS)

Product Details

Specificity:	Interacts with human Notch1 (as confirmed by flow cytometry).
Cross-Reactivity:	Human
Characteristics:	Signal peptide and extracellular domain of human DLL4 (aa 1-529) are fused at the C-terminus to the Fc portion of human IgG1.
Purity:	>95 % (SDS-PAGE)
Endotoxin Level:	<0.01EU/µg purified protein (LAL test, Lonza).

Target Details

Target:	DLL4
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Target Details

Alternative Name:	DLL4 (DLL4 Products)
Background:	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, promoting 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.
Molecular Weight:	~80kDa (SDS-PAGE)
UniProt:	Q9NR61
Pathways:	Notch Signaling

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Inhibits adipogenesis of 3T3L-1 cells and mesenchymal stem cells (MSCs). Induces the Notch target gene HES-1 when coated on a plate at 1µg/ml.
Restrictions:	For Research Use only

Handling

Format:	Solid
Concentration:	Lot specific
Buffer:	Lyophilized. Contains PBS + 0.5 % Trehalose.
Storage:	4 °C, -20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Stable for at least 6 months after receipt when stored at -20°C.
Expiry Date:	6 months