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Anti-Notch4 Reference Antibody (Medimmune patent anti-Notch4)

Catalog # APR11350

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	Q99466
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	209622

Additional Information

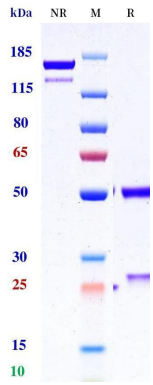
Target/Specificity	Notch4
Expression system	CHO

Protein Information

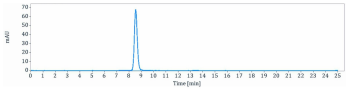
Name	NOTCH4 (HGNC:7884)
Synonyms	INT3
Function	Functions as a receptor for membrane-bound ligands Jagged1, Jagged2 and Delta1 to regulate cell-fate determination. Upon ligand activation through the released notch intracellular domain (NICD) it forms a transcriptional activator complex with RBPJ/RBPSUH and activates genes of the enhancer of split locus. Affects the implementation of differentiation, proliferation and apoptotic programs. May regulate branching morphogenesis in the developing vascular system (By similarity).
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Highly expressed in the heart, moderately in the lung and placenta and at low levels in the liver, skeletal muscle, kidney, pancreas, spleen, lymph node, thymus, bone marrow and fetal liver. No expression was seen in adult brain or peripheral blood leukocytes

Images

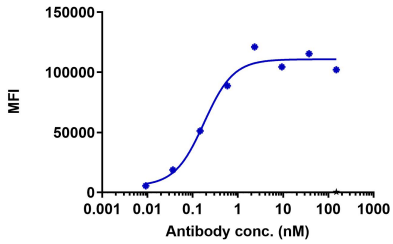
Anti-Notch4 Reference Antibody (Medimmune patent anti-Notch4) on SDS-PAGE under reducing (R) condition.



The purity of the protein is greater than 95%.



The purity of Anti-Notch4 Reference Antibody (Medimmune patent anti-Notch4) is 99.07%, determined by SEC-HPLC.



HuNOTCH4-FL-HEK293-A6 cell line were stained with Medimmune patent anti-Notch4 and negative control protein respectively, washed and then followed by PE and analyzed with FACS, with the EC50 is 0.1788 nM.