

30-2305: PE Conjugated Anti-Notch 1 Monoclonal Antibody (Clone:mN1A)

Clonality :	Monoclonal
Clone Name :	mN1A
Application :	FACS
Reactivity :	Human
Conjugate :	PE
Gene :	Notch1
Gene ID :	18128
Uniprot ID :	Q01705
Alternative Name :	NOTCH1, TAN1, Motch A, mT14, p300
Isotype :	Mouse IgG1
Immunogen Information :	GST fusion protein containing cdc10-NCR region of mouse Notch1

Description

Notch 1 is a 270-300 kDa transmembrane heterodimeric protein with multiple extracellular growth factor-like repeats, and with an intracellular domain consisting of multiple different domain types. It serves as a receptor for membrane ligands, such as Delta 1, Jagged1 (CD339), and Jagged2, and regulates cell fate decisions. Upon ligand binding the transmembrane form of Notch 1 is repeatedly cleaved to provide approximately 120 kDa Notch intracellular fragment (NICD), which translocates to the nucleus and acts as a part of transcriptional complexes that alter differentiation, proliferation, and apoptosis. The highest level of Notch 1 expression is in brain, lung and thymus.

Product Info

Amount :	0.1 mg
Content :	Antibody suspended in phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Storage condition :	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

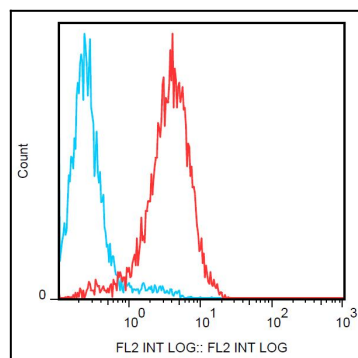


Figure 1: Intracellular staining of Notch1 in Jurkat cells using anti-Notch1 (mN1A) PE.

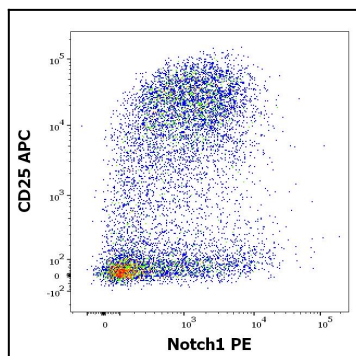


Figure 2: Flow cytometry multicolor surface staining pattern of human PHA stimulated CD3 positive lymphocytes using anti-human CD25 (MEM-181) APC antibody and intracellular staining of human lymphocytes using anti-Notch1 (mN1A) PE antibody

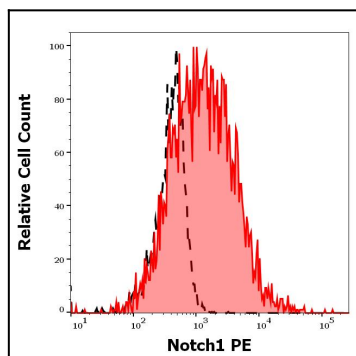


Figure 3: Separation of CD3 positive CD25 positive cells stained using anti-Notch1 (mN1A) PE antibody (red-filled) from CD3 positive CD25 positive cells stained using mouse IgG1 isotype control (MOPC-21) PE antibody (black-dashed) in flow cytometry analysis (intracellular staining) of PHA stimulated human peripheral whole blood

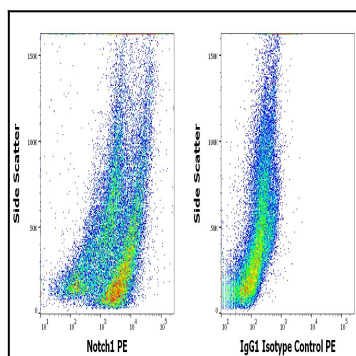


Figure 4: Flow cytometry intracellular staining patterns of PHA stimulated human peripheral whole blood stained using anti-Notch1 (mN1A) PE antibody or mouse IgG1 isotype control (MOPC-21) PE antibody