

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	mN1A
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	PE
<b>Gene :</b>	Notch1
<b>Gene ID :</b>	18128
<b>Uniprot ID :</b>	Q01705
<b>Alternative Name :</b>	NOTCH1, TAN1, Motch A, mT14, p300
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	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

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

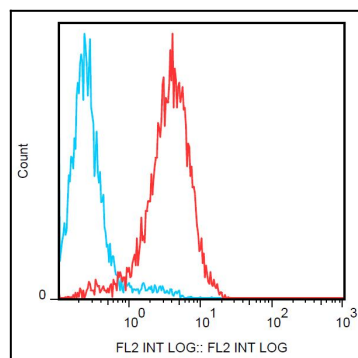


Figure 1: Intracellular staining of Notch1 in Jurkat cells using anti-Notch1 (mN1A) PE.

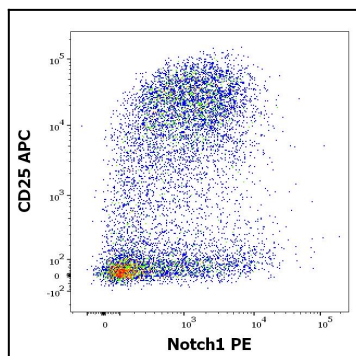


Figure 2: Flow cytometry multicolor surface staining pattern of human PHA stimulated CD3 positive lymphocytes using anti-human CD25 (MEM-181) APC antibody and intracellular staining of human lymphocytes using anti-Notch1 (mN1A) PE antibody

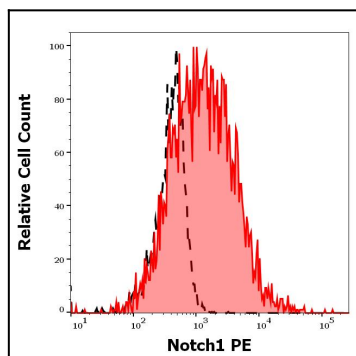


Figure 3: Separation of CD3 positive CD25 positive cells stained using anti-Notch1 (mN1A) PE antibody (red-filled) from CD3 positive CD25 positive cells stained using mouse IgG1 isotype control (MOPC-21) PE antibody (black-dashed) in flow cytometry analysis (intracellular staining) of PHA stimulated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

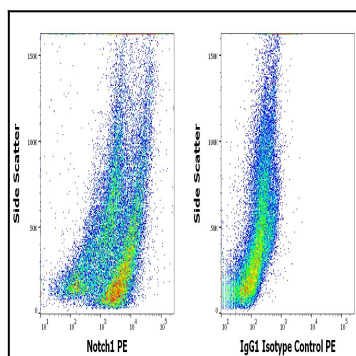


Figure 4: Flow cytometry intracellular staining patterns of PHA stimulated human peripheral whole blood stained using anti-Notch1 (mN1A) PE antibody or mouse IgG1 isotype control (MOPC-21) PE antibody