

## Product Datasheet

### Anti-Notch1 APC (orb154447)

<b>Description</b>	Mouse monoclonal antibody conjugated to APC which recognizes Notch 1 that belongs to the NOTCH family transmembrane receptors that play important roles in development and the determination of cell fate. It expressed in fetal tissues most abundant in spleen, brain stem and lung. Notch 1 has functions as a receptor for membrane-bound ligands Jagged1, Jagged2 and Delta1 to regulate cell-fate determination.
<b>Reactivity</b>	Human, Mouse
<b>Conjugation</b>	APC
<b>Tested Applications</b>	FC
<b>Immunogen</b>	GST fusion protein containing cdc10-NCR region of mouse Notch1
<b>Target</b>	Notch1
<b>Preservatives</b>	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
<b>Concentration</b>	0.1 mg/ml
<b>Storage</b>	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.
<b>Note</b>	For research use only
<b>Application notes</b>	Flow cytometry: Recommended dilution: 1-5 µg/ml. Intracellular staining.
<b>Isotype</b>	Mouse IgG1 kappa
<b>Clonality</b>	Monoclonal
<b>Clone Number</b>	mN1A
<b>Purity</b>	Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

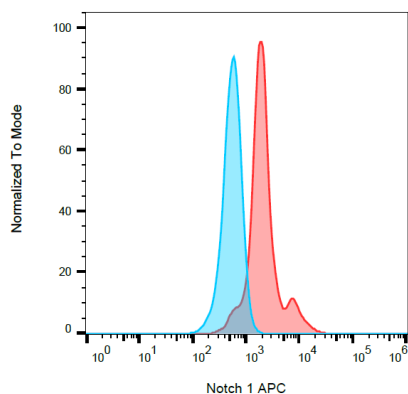
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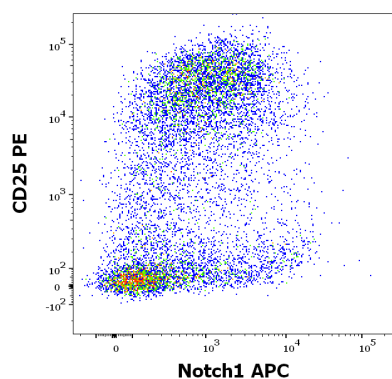
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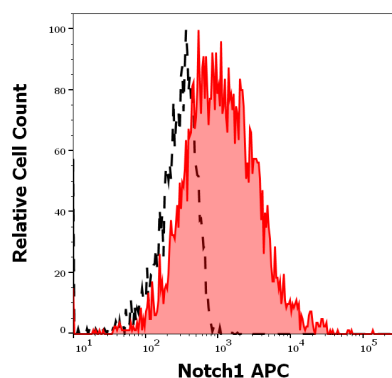
<b>Uniprot ID</b>	<b>P46531</b>
<b>Entrez</b>	<b>4851</b>
<b>Expiration Date</b>	12 months from date of receipt.



Separation of MOLT-4 cell line (red) from Leukocytes (blue) in flow cytometry analysis (intracellular staining) stained using anti-human Notch1 (mN1A) APC antibody (concentration in sample 3 µg/ml).



Flow cytometry multicolor surface staining pattern of human PHA stimulated CD3 positive lymphocytes using anti-human CD25 (MEM-181) PE antibody (20 µl reagent / 100 µl of sample) and intracellular staining of human lymphocytes using anti-Notch1 (mN1A) APC antibody (concentration in sample 3 µg/ml).



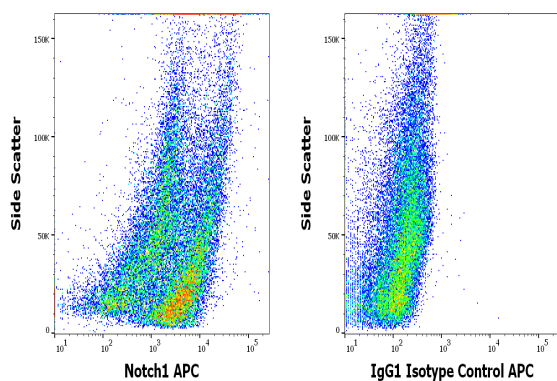
Separation of CD3 positive CD25 positive cells stained using anti-Notch1 (mN1A) APC antibody (concentration in sample 3 µg/ml, red-filled) from CD3 positive CD25 positive cells stained using mouse IgG1 isotype control (MOPC-21) APC antibody (concentration in sample 3 µg/ml, same as Notch1 APC concentration, black-dashed) in flow cytometry analysis (intracellular staining) of PHA stimulated human peripheral whole blood.

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Flow cytometry intracellular staining patterns of PHA stimulated human peripheral whole blood stained using anti-Notch1 (mN1A) PE antibody (concentration in sample 3 µg/ml, left) or mouse IgG1 isotype control (MOPC-21) PE antibody (concentration in sample 3 µg/ml, same as Notch1 PE concentration, right).

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