

Product Datasheet

Notch1 Antibody (PE) (orb154505)

Catalog Number	orb154505
Category	Antibodies
Description	Mouse monoclonal antibody conjugated to PE 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.
Target	Notch1
Clonality	Monoclonal
Isotype	Mouse IgG1 kappa
Conjugation	PE
Reactivity	Human, Mouse
Concentration	0.1 mg/ml
Buffer/Preservatives	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Purification	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Immunogen	GST fusion protein containing cdc10-NCR region of mouse Notch1
UniProt ID	P46531
Tested applications	FC

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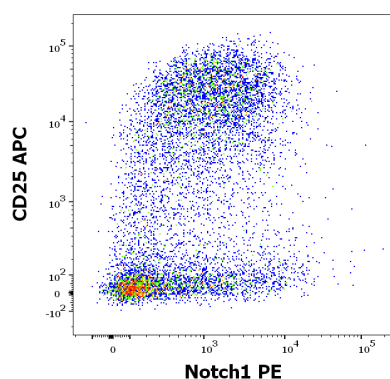
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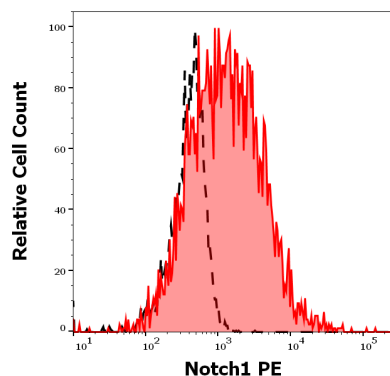
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Application notes	Flow cytometry: Recommended dilution: 1-5 µg/ml. Intracellular staining.
Antibody Type	Primary Antibody
Clone Number	mN1A
Storage	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.
Note	For research use only
Entrez	4851



Flow cytometry multicolor surface staining pattern of human PHA stimulated CD3 positive lymphocytes using anti-human CD25 (MEM-181) APC antibody (10 µl reagent / 100 µl of sample) and intracellular staining of human lymphocytes using anti-Notch1 (mN1A) PE antibody (concentration in sample 3 µg/ml).



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

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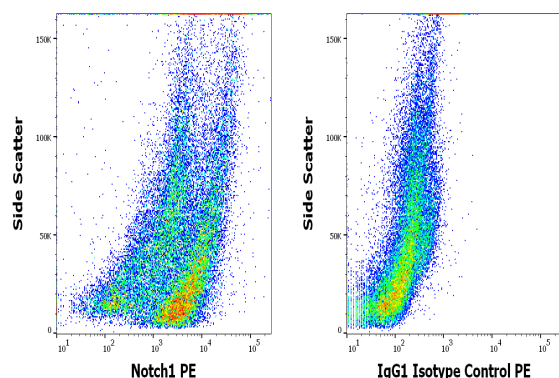
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Flow cytometry intracellular staining patterns of PHA stimulated human peripheral whole blood stained using anti-Notch1 (mN1A) PE antibody (concentration in sample 3 μ g/ml, left) or mouse IgG1 isotype control (MOPC-21) PE antibody (concentration in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

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