

**DESCRIPTION**

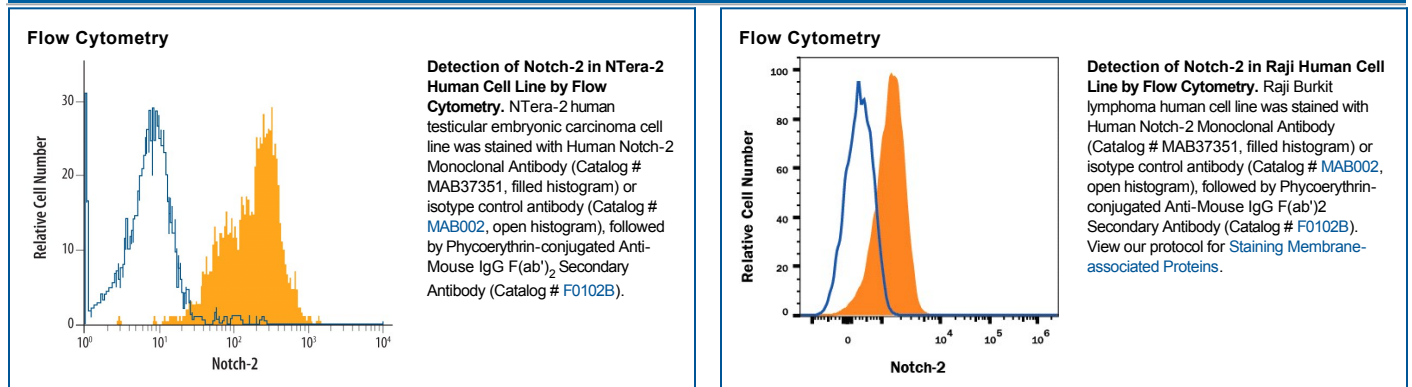
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human Notch-2 in direct ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant human (rh) Notch-1 ICD, rhNotch-3 ECD, rhNotch-4 ICD, recombinant rat (rr) Notch-1 ECD, rrNotch-2 ECD, or rrDelta-1 is observed.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 602845
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Chinese hamster ovary cell line CHO-derived recombinant human Notch-2 Leu26-Gln530 Accession # Q04721
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

**APPLICATIONS**

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	0.25 µg/10 <sup>6</sup> cells	See Below
<b>CyTOF-ready</b>	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

**DATA**



**PREPARATION AND STORAGE**

<b>Reconstitution</b>	Sterile PBS to a final concentration of 0.5 mg/mL.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

**BACKGROUND**

Notch-2 is a 300 kDa member of the Notch family of transmembrane (TM) proteins. The 2446 amino acid (aa) type I TM glycoprotein undergoes Golgi processing to generate a heterodimer of 180 kDa disulfide-linked extracellular domain (ECD) and 110 kDa membrane bound segments. Binding of Notch ligands, including Jagged and Delta-like molecules, has been localized to the 11th and 12th EGF-like repeats, aa 415-492. Human Notch-2 ECD (aa 26-530) shares 93% aa identity with mouse or rat Notch-2 ECD.