

## DESCRIPTION

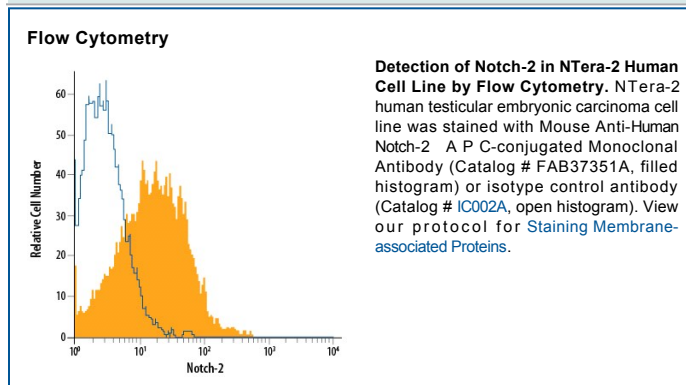
|                           |  |
|---------------------------|--|
| <b>Species Reactivity</b> | Human  |
| <b>Specificity</b>        | Detects human Notch-2 in direct ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant human (rh) Notch-1 ICD, rhNotch-3 ECD, rhNotch-4 ICD, 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<br>Leu26-Gln530<br>Accession # Q04721  |
| <b>Conjugate</b>          | Allophycocyanin<br>Excitation Wavelength: 620-650 nm<br>Emission Wavelength: 660-670 nm  |
| <b>Formulation</b>        | Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.<br><br>*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

## 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> | 10 μL/10 <sup>6</sup> cells      | See Below     |

## DATA



## PREPARATION AND STORAGE

|                                |  |
|--------------------------------|--|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.                                    |
| <b>Stability &amp; Storage</b> | <b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, 2 to 8 °C as supplied.</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.