

## Product Datasheet

## Anti-Notch1 Antibody FL650 Conjugate



## Overview

|                           |                                                                                                                                                                |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog #</b>          | 75-295-FL650                                                                                                                                                   |
| <b>Conjugate</b>          | FL650 Ex: 655 nm, Em: 676 nm                                                                                                                                   |
| <b>Isotype</b>            | IgG1                                                                                                                                                           |
| <b>Clone Number</b>       | N253/32                                                                                                                                                        |
| <b>Size</b>               | 200 $\mu$ L                                                                                                                                                    |
| <b>Concentration</b>      | 0.5 mg/mL                                                                                                                                                      |
| <b>Host Species</b>       | Mouse Monoclonal                                                                                                                                               |
| <b>Format</b>             | Purified by Protein A chromatography                                                                                                                           |
| <b>Buffer</b>             | PBS with 0.09% azide                                                                                                                                           |
| <b>Applications</b>       | ICC                                                                                                                                                            |
| <b>Species Reactivity</b> | Mouse and Rat                                                                                                                                                  |
| <b>Immunogen</b>          | Fusion protein amino acids 20-216 (extracellular N-terminus, EGF-like domains 1-5) of mouse Notch1 (accession number Q01705) produced recombinantly in E. Coli |
| <b>Molecular Weight</b>   | >270 kDa, ~120 kDa and smaller fragments (due to proteolysis)                                                                                                  |
| <b>Cite this Antibody</b> | Antibodies Inc Cat# 75-295-FL650, RRID: AB_2940039                                                                                                             |

## Details

|                              |                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Target Description</b>    | Notch Receptor 1 is encoded by the gene NOTCH1. NOTCH1 is a member of the NOTCH family. NOTCH1 is involved in processes related to cell fate specification, differentiation, proliferation, and survival. NOTCH1 is highly expressed in the brain, lungs, and thymus. Diseases associated with NOTCH1 include Aortic Valve Disease 1 and Adams-Oliver Syndrome 5. |
| <b>Specificity</b>           | Does not cross-react with Notch2 or Notch3                                                                                                                                                                                                                                                                                                                        |
| <b>Purification Method</b>   | Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody.                                                                                                                                                                                |
| <b>Quality Control Tests</b> | Each new lot of antibody is quality control tested by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.                                                                                                                                                                                                           |
| <b>Storage</b>               | Aliquot and store at $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at 2-8 $^{\circ}\text{C}$ . For maximum recovery of product, centrifuge the vial prior to removing the cap.                                                                                                                                                  |

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