



# Hi-Affi™ Recombinant Human Anti-Human NRR1 Monoclonal antibody, clone 3L95 (DMAB-CDB25158)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| <b>Product Overview</b>   | The NRR1 antibody was generated by phage display. This antibody bound highly specifically to its cognate receptor but not to any of the other receptors, measured by enzyme-linked immunosorbent assay (ELISA), surface plasmon resonance (SPR) and flow cytometry. This antibody bound with similar high affinities ( $K_d = 1.3\text{--}3.1\text{nM}$ ) to both the human and mouse sequences of only the targeted NRR. |
| <b>Specificity</b>        | Bind to both human and mouse NRR1.                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Target</b>             | Human/Mouse NRR1                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Immunogen</b>          | Human/Mouse NRR1                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Isotype</b>            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source/Host</b>        | Human                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species Reactivity</b> | Human, Mouse                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Clone</b>              | 3L95                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purification</b>       | >90% determined by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Conjugate</b>          | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Applications</b>       | Suitable for use in ELISA, SPR, IB.<br>Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.                                                                                                                                                                                |

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| <b>Format</b>        | Liquid                                                                                 |
| <b>Concentration</b> | lot specific                                                                           |
| <b>Size</b>          | 200 µg, 1 mg                                                                           |
| <b>Buffer</b>        | PBS (endotoxin < 1EU/mg, lower endotoxin levels may also be offered upon request)      |
| <b>Preservative</b>  | None                                                                                   |
| <b>Storage</b>       | Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles. |
| <b>Ship</b>          | Dry ice                                                                                |

## BACKGROUND

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| <b>Introduction</b> | The protein produced from the NOTCH1 gene has such diverse functions that the gene is considered both an oncogene and a tumor suppressor. Oncogenes typically promote cell proliferation or survival, and when mutated, they have the potential to cause normal cells to become cancerous. |
| <b>Keywords</b>     | NOTCH1; Notch homolog 1; AOS5; TAN1; AOVD1; neurogenic locus notch homolog protein 1; NRR1                                                                                                                                                                                                 |