

**PRODUCT INFORMATION**

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|---|---|
| <b>Clone ID</b>                         | 7D8   |
| <b>Target</b>                           | NEFL  |
| <b>Synonyms</b>                         | CMT1F; CMT2E; CMTDIG; NF-L; NF68; NFL; PPP1R110   |
| <b>Host Species</b>                     | Rabbit  |
| <b>Description</b>                      | Anti-NEFL(9-88) antibody(7D8), Rabbit mAb   |
| <b>Delivery</b>                         | In Stock  |
| <b>Uniprot ID</b>                       | P07196  |
| <b>IgG type</b>                         | Rabbit IgG  |
| <b>Clonality</b>                        | Monoclonal  |
| <b>Reactivity</b>                       | Human   |
| <b>Applications</b>                     | ELISA   |
| <b>Recommended Dilutions</b>            | ELISA 1:5000-10000  |
| <b>Purification</b>                     | Purified from cell culture supernatant by affinity chromatography   |
| <b>Formulation &amp; Reconstitution</b> | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.  |
| <b>Storage &amp; Shipping</b>           | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.   |
| <b>Background</b>                       | Neurofilaments are type IV intermediate filament heteropolymers composed of light, medium, and heavy chains. Neurofilaments comprise the axoskeleton and they functionally maintain the neuronal caliber. They may also play a role in intracellular transport to axons and dendrites. This gene encodes the light chain neurofilament protein. Mutations in this gene cause Charcot-Marie-Tooth disease types 1F (CMT1F) and 2E (CMT2E), disorders of the peripheral nervous system that are characterized by distinct neuropathies. A pseudogene has been identified on chromosome Y. |
| <b>Usage</b>                            | Research use only   |
| <b>Conjugate</b>                        | Unconjugated  |
| <b>DIMA Disclaimer</b>                  | All DIMA recombinant antibodies are genuinely generated by DIMA Biotech. They are all under patent application. Any protein sequencing or reverse engineering attempt is prohibited. We are actively scrutinizing all patent application to ensure no IP infringement.  |



## Anti-NEFL (7D8) mAb ELISA

0.1  $\mu$ g of Human NEFL (9-88), hFc tagged protein per well

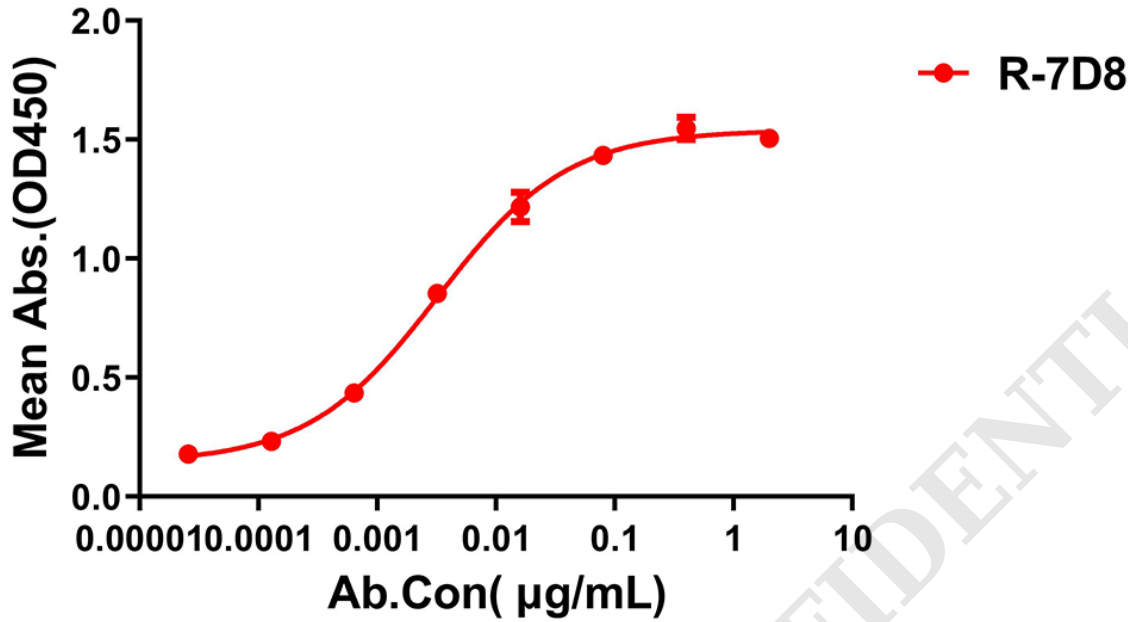


Figure 1. ELISA plate pre-coated by 1  $\mu$ g/ml (100  $\mu$ l/well) Human NEFL(9-88) protein, hFc tagged protein (PME100654) can bind Rabbit anti-NEFL(9-88) monoclonal antibody(clone: 7D8) in a linear range of 1-100 ng/ml.

