

**PRODUCT INFORMATION**

<b>Clone ID</b>	7D10
<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(7D10), 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



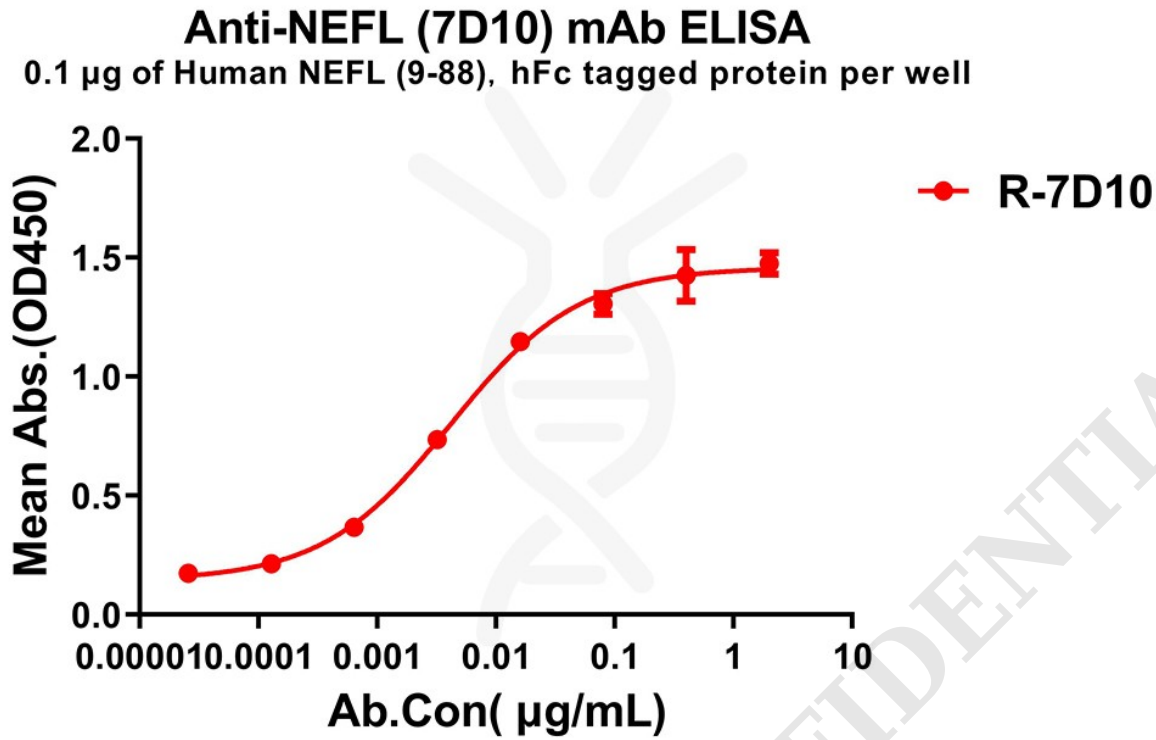


Figure 1. ELISA plate pre-coated by 1  $\mu$ g/ml (100  $\mu$ l/well) Human NEFL(9-88) protein, hFc tagged protein (PME100654) can bind Rabbit anti-NEFL(9-88) monoclonal antibody(clone: 7D10) in a linear range of 1-100 ng/ml.

