

## Product datasheet for **AM33440PU-N**

### **ARMETL1 (CDNF) Mouse Monoclonal Antibody [Clone ID: 7D6]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	7D6
Applications:	ELISA, IF, WB
Recommended Dilution:	<b>ELISA:</b> 1/5000-1/10000. <b>Western Blot:</b> 1/1000-1/4000. <b>Immunofluorescence:</b> 1/100-1/3000.
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant Human CDNF produced using CHO-based. Antigen is purified from cell culture supernatant.
Specificity:	Recognizes Human and Mouse CDNF. Other species not tested.
Formulation:	PBS pH 7.4 State: Aff - Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Upon receipt, store (in aliquots) at -20°C to -80°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	cerebral dopamine neurotrophic factor
Database Link:	<a href="#">Entrez Gene 441549 Human Q49AH0</a>

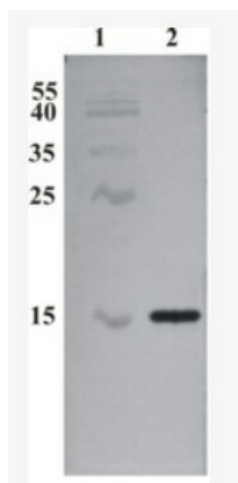


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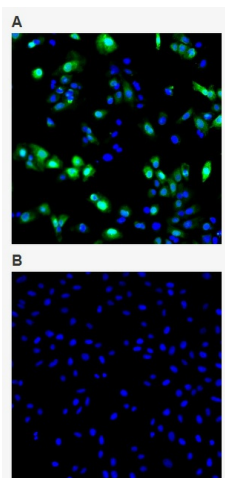
**Background:** CDNF is a trophic factor for midbrain dopamine neurons *in vivo*. It prevents the 6-OHDA- (Lindholm et al. 20007; Voutilainen et al., 2011) and MPTP-induced degeneration (Airavaara et al., 2012) of dopamine neurons in rodent models of Parkinson's disease. When administered after 6-OHDA or MPTP -lesioning it restores the dopaminergic function and prevents degeneration of dopamine neurons in substantia nigra pars compacta.

**Synonyms:** ARMET-like protein 1, ARMETL1

**Product images:**



Western Blot testing of anti-CDNF monoclonal antibody (7D6). Line 1: PageRuler Prestained Protein Ladder (#[SM0671] Fermentas); Line 2: Recombinant CDNF expressed into the supernatant of CHO cell culture medium.



Immunofluorescence detection of human CDNF expressed in U2OS cells. CDNF was visualized using anti-CDNF antibody clone 7D6 at 1 ug/ml. Goat anti-mouse AlexaFluor488 was used as secondary antibody. For nuclear staining DAPI was used. ArrayScan VTI platform (Thermo Scientific) was used for image acquisition (10x objective). Composite picture was generated using pseudocolors green for CDNF specific signal and blue for nuclei. A. CDNF-expressing U2OS cells; B. Negative control.