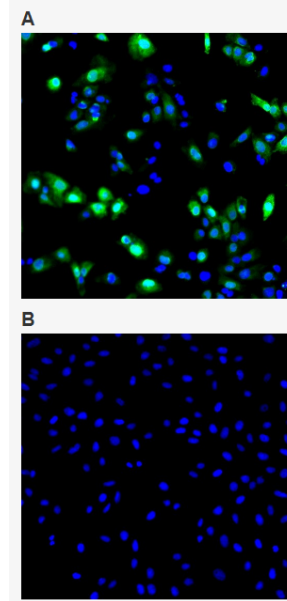


AM33440PU-N**Monoclonal Antibody to CDNF - Aff - Purified**

Alternate names:	ARMET-like protein 1, ARMETL1, Cerebral dopamine neurotrophic factor, Conserved dopamine neurotrophic factor
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	CDNF is a trophic factor for midbrain dopamine neurons <i>in vivo</i> . 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.
Uniprot ID:	Q49AH0
NCBI:	NP_001025125.2
GeneID:	441549
Host / Isotype:	Mouse / IgG1
Clone:	7D6
Immunogen:	Recombinant Human CDNF produced using CHO-based. Antigen is purified from cell culture supernatant.
Format:	State: Liquid purified IgG fraction Purification: Affinity Chromatography on Protein G Buffer System: PBS pH 7.4 Preservatives: 0.09% Sodium Azide
Applications:	ELISA: 1/5000-1/10000. Western Blot: 1/1000-1/4000. Immunofluorescence: 1/100-1/3000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Recognizes Human and Mouse CDNF. Other species not tested.
Storage:	Upon receipt, store (in aliquots) at -20°C to -80°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Pictures:

Immunofluorescence detection of human CDNF expressed in U2OS cells. CDNF was visualized using anti-CDNF antibody clone 7D6 at 1 µg/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.



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.

