



Mouse monoclonal antibody to human MANF (clone 1G12)

Catalogue #	311-100
Immunogen:	Human MANF
Immunogen Description:	Recombinant human MANF protein produced using CHO-based Icosagen Cell factory Ltd. proprietary suspension cell line. Immunogen is purified from cell culture supernatant
Alternative Names:	ARMET, ARP, mesencephalic astrocyte-derived neurotrophic factor
Uniprot ID:	P55145
Clonality:	Mouse monoclonal
Clone:	1G12
Class:	mIgG1
Reactivity:	Human MANF
Application:	ELISA, WB, IF
Protocol:	Monoclonal antibody working titer has to be established practically for each particular antigen and assay format
ELISA:	0,1-0,2 µg/ml
IF:	1-10 µg/ml
IHC-C:	5 µg/ml
Purification:	Protein G affinity chromatography
Concentration:	1 mg/ml
Buffer:	PBS pH 7.4, with 0.1% sodium azide
QC:	ELISA, WB
Shipping:	Shipping in ambient conditions.
Storage:	Store at -20 °C to -70 °C. Avoid multiple freeze-thaw cycles.
Background:	MANF is a trophic factor for midbrain dopamine

neurons in vivo. It prevents the 6-OHDA- induced degeneration of dopamine neurons in rodent models of Parkinson's disease (Lindholm et al., 2008, Voutilainen et al., 2009). When administered after 6-OHDA-lesioning it restores the dopaminergic function and prevents degeneration of dopamine neurons in substantia nigra pars compacta

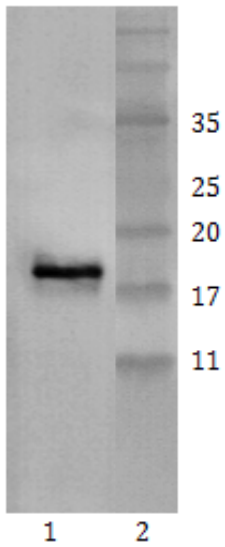


Figure 1. Western Blot testing of anti-MANF monoclonal antibody. Line 2. Page Ruler prestained protein ladder, Fermentas; Line 1. Purified recombinant MANF (500 ng per line) expressed using CHOEBNALT85 cell line