

PRODUCT INFORMATION

Clone ID **DMC498 GDNF Target**

Synonyms ATF; ATF1; ATF2; HFB1-GDNF; HSCR3

Host Species Rabbit

Anti-GDNF antibody(DMC498); IgG1 Chimeric Description

mAb **Delivery** In Stock **Uniprot ID** P39905

Rabbit/Human Fc chimeric IgG1 IgG type

Clonality Monoclonal Reactivity Human **Applications** Flow Cyt

Recommended

Storage & Shipping

Background

Flow Cyt 1:100 **Dilutions**

Purified from cell culture supernatant by affinity **Purification**

chromatography

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation & - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Reconstitution for specific instructions of reconstitution.

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

témperature.

This gene encodes a secreted ligand of the TGF-

beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. The recombinant form of this protein; a highly conserved neurotrophic factor; was shown to

promote the survival and differentiation of dopaminergic neurons in culture; and was able to prevent apoptosis of motor neurons induced by axotomy. This protein is a ligand for the product of the RET (rearranged during transfection) protooncogene. Mutations in this gene may be associated with Hirschsprung disease and Tourette syndrome. This gene encodes multiple

protein isoforms that may undergo similar proteolytic processing. [provided by RefSeq; Aug

2016]

Research use only Usage Conjugate Unconjugated

> 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 **DIMA Disclaimer** actively scrutinizing all patent application to

ensure no IP infringement.

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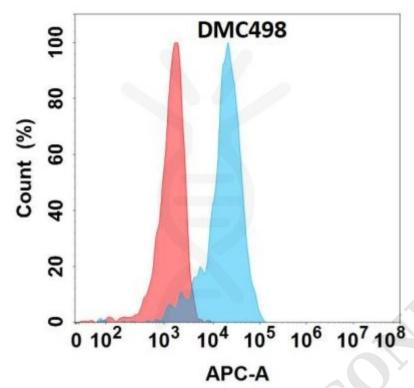


Figure 1. Flow cytometry analysis with Anti-GDNF (DMC498) on HEK293 cells transfected with human GDNF (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

