

For Research Use Only

# GDNF Recombinant antibody

Catalog Number: 83087-1-RR



## Basic Information

<b>Catalog Number:</b> 83087-1-RR	<b>GenBank Accession Number:</b> BC069369	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 2668	<b>CloneNo.:</b> 230358A10
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P39905	
<b>Isotype:</b> IgG	<b>Full Name:</b> glial cell derived neurotrophic factor	
<b>Immunogen Catalog Number:</b> AG24068	<b>Calculated MW:</b> 211 aa, 24 kDa	
	<b>Observed MW:</b> 32-40 kDa	

## Applications

**Tested Applications:**  
FC, ELISA

**Species Specificity:**  
Human

## Background Information

Glial-derived neurotrophic factor (GDNF) is a member of the transforming growth factor (TGF)- $\alpha$  family and exhibits potent neuroprotective activity. GDNF is a potent promoter of neuronal survival in the CNS and peripheral nervous system (PNS). It has a relatively high specificity for dopaminergic neurons and thus become an effective treatment for Parkinson's diseases (PD), with clinical trials currently in progress. Protein dimers of GDNF have a reported molecular weight of 32-40 kDa (PMID: 17982417, PMID: 23251488, PMID: 11429269).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

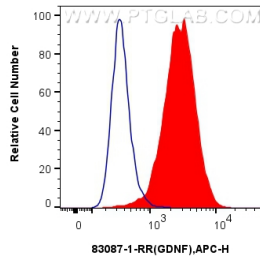
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## Selected Validation Data



$1 \times 10^6$  SH-SY5Y cells were intracellularly stained with 0.25  $\mu$ g Anti-Human GDNF (83087-1-RR, Clone:230358A10) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25  $\mu$ g Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).