GDNF Conjugated Antibody

Catalog No: #C49556

Package Size: #C49556-AF350 100ul #C49556-AF405 100ul #C49556-AF488 100ul #C49556-AF555 100ul #C49556-AF594 100ul #C49556-AF647 100ul #C49556-AF680 100ul #C49556-AF750 100ul #C49556-Biotin 100ul

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Description

Product Name	GDNF Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Astrocyte derived trophic factor antibody Astrocyte derived trophic factor 1 antibody Astrocyte-derived trophic factor antibody ATF 1 antibody ATF 2 antibody Atf antibody ATF1 antibody ATF2 antibody gdnf antibody GDNF_HUMAN antibody Glial cell derived neurotrophic factor antibody Glial Cell Line Derived Neurotrophic Factor antibody Glial cell line-derived neurotrophic factor antibody Glial derived neurotrophic factor antibody HFB1 GDNF antibody hGDNF antibody HSCR3 antibody
Accession No.	Swiss-Prot#:P39905
Uniprot	P39905
GeneID	2668;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	24 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Glial cell line-derived neurotrophic factor (GDNF) has been identified as a potent neurotrophic factor that enhances survival of midbrain dopaminergic neurons. GDNF is a glycosylated, disulfide-bonded homodimer and is a distantly related member of the TGFβ superfamily of growth regulatory ligands. GDNF contains the seven conserved cysteine residues in the same relative spacing characteristic of all members of the TGFβ superfamily. In embryonic midbrain cultures, GDNF promotes the survival and morphological differentiation of dopaminergic neurons and increases their high-affinity dopamine uptake. On the basis of these findings, it has been suggested that GDNF may have utility in the treatment of Parkinson's disease, which is marked by progressive degeneration of midbrain dopaminergic neurons.

Note: This product is for in vitro research use only