Recombinant Anti-NGFR Antibody (V3S-0522-YC649)

Cat. No.: V3S-0522-YC649

Summary

Description	This product is a monoclonal antibody derived from Mouse (*Mus musculus*), which can specif ically recognize Nerve Growth Factor Receptor. The antibody is expressed with mammalian c ell transient expression system, serum-free and purified by affinity chromatography. The purit y and integrity are tested via SDS-PAGE and SEC-HPLC analysis. Given an antigen, addition al QC measures are also desired such as affinity testing and binding validation. Specifically, the antibody is provided in multiple formats for in vivo and in vitro assays. The *In vivo* version features greater than 95% purity, ultra-low endotoxin levels (<1 EU/mg or 0.1 E U/mg), and is preservative, stabilizer, and carrier protein-free.
Clonality	Monoclonal
Host Species	Mouse
Target Species	Human, Monkey, Rat
Immunogen	NGF receptor
Isotype	IgG1
Isotype Control	C60052; C51237
Secondary Antibody	C65740; C52760

Property

Expression Species	HEK293F or CHO
Conjugation	None
Purity	>95%, determined by SDS-PAGE and/or SEC-HPLC
Endotoxin	<1 EU/mg, determined by LAL method
Purification	Protein A affinity purified
Sterility	0.2 μM filtered
Formulation	PBS, pH 7.4
Preservation	No preservatives
Stabilizer	No stabilizers
Storage	Store at 4^{0}C within a week. For longer storage, aliquot and store at -20^{0}C.

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Applications

Application	ELISA; IHC; IP; WB
Application Notes	The antibody is recommended for detection of NGFR by ELISA, IHC, IP, WB assays.

Target

Target	NGFR
Alternative Name	Nerve Growth Factor Receptor; Low Affinity Neurotrophin Receptor P75NTR; Low-Affinity Nerve Growth Factor Receptor; TNFR Superfamily, Member 16; NGF Receptor; Gp80-LNGFR; TNFRSF16; P75 ICD;
Gene ID	4804
UniProt	P08138
Introduction	Nerve growth factor receptor contains an extracellular domain containing four 40-amino acid repeats with 6 cysteine residues at conserved positions followed by a serine/threonine-rich region, a single transmembrane domain, and a 155-amino acid cytoplasmic domain. The cysteine-rich region contains the nerve growth factor binding domain.
Research Area	Neuroscience

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