

Anti-TrkA [MNAC13] Bulk Size Ab00439-10.3-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa

Clone Number: MNAC13

Alternative Name(s) of Target: Tropomyosin Receptor Kinase; NTRK1; MTC; TRK; TRK1; TRKA; Trk-A; p140-TrkA; neurotrophic receptor tyrosine kinase 1; High Affinity Nerve Growth Factor Receptor; Tyrosine Kinase Receptor A

UniProt Accession Number of Target Protein: P04629

Published Application(s): Blocking, SPR, ELISA, IHC

Published Species Reactivity: Human

Immunogen: Human TrkA ECD.

Specificity: This antibody binds to the extracellular domain of TrkA. It was shown not to cross react with TrkB. Moreover MNAC13 is specific to TrkA with negligible reactivity to TrkB and TrkC.

Application Notes: This antibody binds to human TrkA, a receptor tyrosine kinase involved in the development and the maturation of the CNS and the PNS through regulation of proliferation, differentiation, and survival of the sympathetic and nervous neurons. It is a receptor for NGF and phosphorylates several downstream proteins regulating a variety of signalling cascades. This antibody neutralizes the NGF-TrkA interaction.

Antibody First Published in: Covaceuszach et al. Neutralization of NGR-TrkA receptor interaction by the novel antagonistic anti-TrkA monoclonal antibody MNAC13: A structural insight. Proteins 2005; 58(3):717-727 [PMID:15625712](#)

Note on publication: Describes the characterisation of an antibody against human TrkA and demonstration of its neutralizing activity.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification:

Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.