Anti-Human TrkA-149Sm

Catalog: 3149019B  
Clone: 165131

Package Size: 100 tests  
Isotype: IgG1

Storage: Store product at 4°C. Do not freeze.  
Formulation: Antibody stabilizer with 0.05% Sodium Azide

Reactivity: Human,

Technical Information

Validation: Each lot of conjugated antibody is quality control tested by CyTOF® analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

Recommended Usage: The suggested use is 1 µl for up to 3 X 10^6 live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.

Description

TrkA, the product of the protooncogene trk, is a member of the neurotrophic tyrosine kinase receptor family with TrkB and TrkC. While the sequence of these family members is highly conserved, they are activated by different neurotrophins: TrkA by NGF, TrkB by BDNF or NT4, and TrkC by NT3. Two distinct TrkA isoforms that differ by virtue of a 6 amino acid insertion in their extracellular domain have been identified. The longer TrkA isoform is the only isoform expressed within neuronal tissues whereas the shorter TrkA is expressed mainly in non-neuronal tissues. TrkA regulates proliferation and is important for development and maturation of the nervous system. TrkA is activated in many malignancies including breast, ovarian, prostate, and thyroid carcinomas.

References


For technical support visit fluidigm.com/support

For Research Use Only. Not for use in diagnostic procedures.