

ABflo® 647 Rabbit anti-Human TrkA mAb

Catalog No.: A23974

Basic Information

Observed MW

Calculated MW

77kDa/83kDa/86kDa/87kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Human

CloneNo number

ARC61412

Conjugate

ABflo® 647. Ex:648nm. Em:664nm.

Recommended Dilutions

FC 5 µl per 10⁶ cells in
100 µl volume

Background

This gene encodes a member of the neurotrophic tyrosine kinase receptor (NTRK) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. The presence of this kinase leads to cell differentiation and may play a role in specifying sensory neuron subtypes. Mutations in this gene have been associated with congenital insensitivity to pain, anhidrosis, self-mutilating behavior, mental retardation and cancer. Alternate transcriptional splice variants of this gene have been found, but only three have been characterized to date.

Immunogen Information

Gene ID

4914

Swiss Prot

P04629

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

NTRK1; MTC; TRK; TRK1; TRKA; Trk-A; p140-TrkA; neurotrophic receptor tyrosine kinase 1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

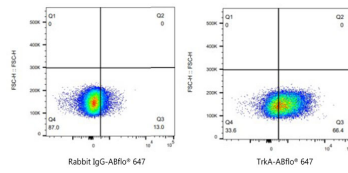
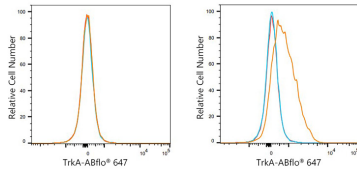
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Flow cytometry: 1×10^6 MOLT-4 cells (negative control, left) and SH-SY5Y cells (right) were surface-stained with TrkA Rabbit mAb (A23974, 5 μ l/Test, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 5 μ l/Test, blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb (1:200 dilution) staining. Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: 1×10^6 SH-SY5Y cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5 μ l/Test, left) or ABflo® 647 Rabbit anti-Human TrkA mAb (A23974, 5 μ l/Test, right).