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Cy3-labeled Anti-murine NGFr FLUORESCENT CONJUGATE

Catalog Number: FL-05
Quantity: 25 micrograms, 100 micrograms
Format: PBS (0.14 M Sodium Chloride; 0.003 M Potassium Chloride; 0.002 M Potassium Phosphate; 0.01 M Sodium Phosphate; pH 7.4) + 0.1% sodium azide.
Host: Rabbit

Background:

The p75 neurotrophin receptor (p75^{NTR}), also known as the low affinity nerve growth factor receptor (NGFr), binds nerve growth factor, brain-derived neurotrophic factor, neurotrophin-3 and neurotrophin-4 with varying specificities. The p75^{NTR} plays an important role in neurotrophic factor signaling and has been shown to modulate the susceptibility of selective cellular populations to programmed cell death.

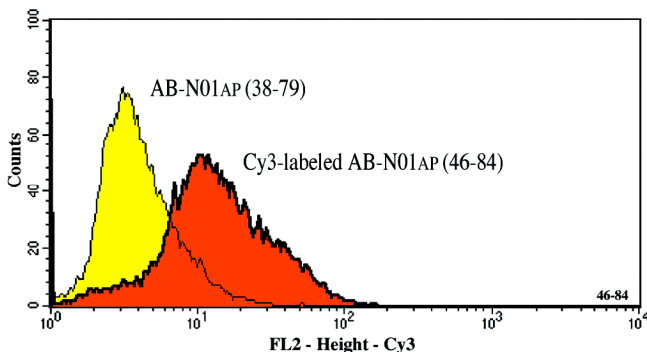
Specificity and Preparation:

This fluorescent conjugate recognizes p75^{NTR} in mouse. It was prepared using affinity-purified rabbit polyclonal antibody conjugated to Cy3 fluorochrome. This product is routinely tested by flow cytometry.

Usage and Storage:

Applications include flow cytometry (ATS in-house; 4 μ g per 10⁶ cells). Store at 4°C. DO NOT STORE FROZEN. The material may display diminished activity as a result of repeated freezing and thawing.

Centrifuge material at low speed in microfuge to ensure all of solution is at bottom of tube. Vortex gently. The material can be handled safely using normal laboratory precautions.



NG3 cells, a rat-mouse hybrid neuroblastoma cell line, were incubated with anti-NGFr antibody or Cy3-labeled antibody and incubated at 4°C. Cells were analyzed by flow cytometry on a BD FACScan, and data produced using CellQuest software. A concentration of 4 μ g of conjugate per 10⁶ cells provided a 33% shift compared to the antibody alone.