

Product datasheet

Anti-p75 NGF Receptor antibody [NGFR5] (PE/Cy7®)  
 ab234270

1 Image

Overview

<b>Product name</b>	Anti-p75 NGF Receptor antibody [NGFR5] (PE/Cy7®)
<b>Description</b>	Mouse monoclonal [NGFR5] to p75 NGF Receptor (PE/Cy7®)
<b>Host species</b>	Mouse
<b>Conjugation</b>	PE/Cy7®. Ex: 496nm, Em: 774nm
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Rabbit, Cat, Ferret, Non human primates <b>▲ Does not react with:</b> Mouse, Rat
<b>Immunogen</b>	Full length protein corresponding to Human p75 NGF Receptor. (Purified from human melanoma cell line A875). Database link: <a href="#">P08138</a>
<b>Epitope</b>	The epitope is localized within ammino acids 1 - 160.
<b>Positive control</b>	Flow Cyt: REH cells.
<b>General notes</b>	This product or portions thereof is manufactured under license from Carnegie Mellon University under U.S. Patent Number 5, 268, 486 and related patents. Cy and CyDye are trademarks of GE Healthcare Limited.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze. Store In the Dark.
<b>Storage buffer</b>	Preservative: 0.0975% Sodium azide Constituent: PBS
<b>Purity</b>	Size exclusion
<b>Purification notes</b>	Purified antibody is conjugated with tandem dye PE/Cy7® under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	NGFR5

Isotype

IgG1

## Applications

Our [Abpromise guarantee](#) covers the use of **ab234270** in the following tested applications.

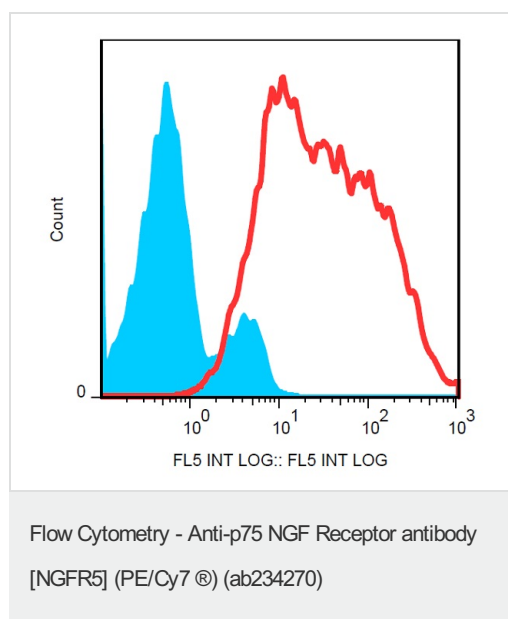
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 4µl for 10 <sup>6</sup> cells. (or 100 µl of whole blood).

## Target

<b>Function</b>	Low affinity receptor which can bind to NGF, BDNF, NT-3, and NT-4. Can mediate cell survival as well as cell death of neural cells.
<b>Sequence similarities</b>	Contains 1 death domain. Contains 4 TNFR-Cys repeats.
<b>Domain</b>	Death domain is responsible for interaction with RANBP9. The extracellular domain is responsible for interaction with NTRK1.
<b>Post-translational modifications</b>	N- and O-glycosylated. O-linked glycans consist of Gal(1-3)GalNAc core elongated by 1 or 2 NeuNAc. Phosphorylated on serine residues.
<b>Cellular localization</b>	Membrane.

## Images



Flow cytometric analysis of REH cells labeling p75 NGF Receptor with ab234270 at 4 µl/10<sup>6</sup> cells (red) as compared to a blank control (blue).

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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