Anti-p75 NGF Receptor antibody [MLR2] ab61425

Overview

Product name: Anti-p75 NGF Receptor antibody [MLR2]
Description: Mouse monoclonal [MLR2] to p75 NGF Receptor
Host species: Mouse

Tested applications:
Suitable for: Flow Cyt, ELISA, Competitive ELISA, ICC/IF
Unsuitable for: WB

Species reactivity: Reacts with: Mouse, Rat, Human
Immunogen: Human p75 coupled to an Fc fragment
Positive control: Motor neurons in spinal cord with lesioned sciatic nerve

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer: Constituent: PBS
Purity: Protein G purified
Purification notes: ab61425 was purified using Protein G column (Amersham Pharmacia), polished with Sephacryl 200HR (Amersham Pharmacia) in PBS and then lyophilized. Purity was analysed using electrophoresis, 4-12% Bis Tris Gel (Invitrogen).
Clonality: Monoclonal
Clone number: MLR2
Isotype: IgG2a

Applications

Our Abpromise guarantee covers the use of ab61425 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cyt</td>
<td>Use a concentration of 20 µg/ml. ab170191 - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.</td>
<td></td>
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<tr>
<td>ELISA</td>
<td>1/5000.</td>
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<tr>
<td>Competitive ELISA</td>
<td>Use at an assay dependent concentration. PubMed: 22292018</td>
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<td>Application notes</td>
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</tbody>
</table>

**Target**

**Function**
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.

**Sequence similarities**
Contains 1 death domain.
Contains 4 TNFR-Cys repeats.

**Domain**
Death domain is responsible for interaction with RANBP9.
The extracellular domain is responsible for interaction with NTRK1.

**Post-translational modifications**
N- and O-glycosylated.
O-linked glycans consist of Gal(1-3)GalNAc core elongated by 1 or 2 NeuNAc.
Phosphorylated on serine residues.

**Cellular localization**
Membrane.

**Images**

*Flow Cytometry - Anti-p75 NGF Receptor antibody [MLR2] (ab61425)*
Ab61425 uptake into mesenteric nerves following in vivo administration into adult rat.

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