# Human Neuromedin B R/NMBR Alexa Fluor® 405-conjugated Antibody

Monoclonal Mouse $IgG_{2A}$ Clone # 466505

Catalog Number: IC4728V

100 µg

## DESCRIPTION

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| **Species Reactivity** | Human |
| **Specificity** | Detects human Neuromedin B R/NMBR. Stains human Neuromedin B R/NMBR transfectants but not irrelevant transfectants. |
| **Source** | Monoclonal Mouse $IgG_{2A}$ Clone # 466505 |
| **Purification** | Protein A or G purified from hybridoma culture supernatant |
| **Immunogen** | NS0 mouse myeloma cell line transfected with human NMBR<br>Met1-Met390<br>Accession # AAB27330 |
| **Conjugate** | Alexa Fluor 405<br>Excitation Wavelength: 405 nm<br>Emission Wavelength: 421 nm |
| **Formulation** | Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.<br><br>*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

## APPLICATIONS

**Please Note:** *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

| | Recommended Concentration | Sample |
|---|---|---|
| **Intracellular Staining by Flow Cytometry** | 0.25-1 µg/$10^6$ cells | HT-29 human colon adenocarcinoma cell line fixed with paraformaldehyde and permeabilized with saponin |

## PREPARATION AND STORAGE

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| **Shipping** | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| **Stability & Storage** | **Protect from light. Do not freeze.**<br>● 12 months from date of receipt, 2 to 8 °C as supplied. |

## BACKGROUND

Neuromedin B Receptor (NMBR) is an 80 kDa, 390 amino acid (aa) G-protein coupled 7-transmembrane glycoprotein receptor for bombesin-like peptides, binding Neuromedin B with high affinity and GRP (gastrin releasing peptide) with lower affinity. Neuromedin B R expression in the olfactory and central thalamic regions of the brain plays a role in thermoregulation. It has also been shown to be mitogenic in colonic epithelium. Expression in the pituitary gland is important for regulation of the pituitary-thyroid axis. Within extracellular domains, human Neuromedin B R shares 86% and 82% aa identity with mouse and rat Neuromedin B R, respectively.

## PRODUCT SPECIFIC NOTICES

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