# Human Peptide YY Alexa Fluor® 405-conjugated Antibody

Monoclonal Mouse $IgG_{2B}$ Clone # 1011014

Catalog Number: FAB94562V

100 µg

## DESCRIPTION

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| **Species Reactivity** | Human |
| **Specificity** | Detects human Peptide YY in direct ELISAs. |
| **Source** | Monoclonal Mouse $IgG_{2B}$ Clone # 1011014 |
| **Purification** | Protein A or G purified from hybridoma culture supernatant |
| **Immunogen** | Human Peptide YY synthetic peptide |
| **Conjugate** | Alexa Fluor 405<br>Excitation Wavelength: 405 nm<br>Emission Wavelength: 421 nm |
| **Formulation** | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<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.*

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| **ELISA** | Optimal dilution of this antibody should be experimentally determined. |

## 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. 12 months from date of receipt, 2 to 8 °C as supplied |

## BACKGROUND

Peptide YY (PYY), a secretory peptide, is expressed by L cells (enteroendocrine cells) in the small and large intestine, Islet of Langerhans cells, testis, and in some central and peripheral neurons. Because PYY is released from L cells after feeding, it is thought to produce a satiety signal. While the regulation of appetite by PYY and GLP-1 have been studied extensively, recent evidence supports a role for PYY in Islet of Langerhans beta cell survival. PYY secretion is also modulated by gut microbiota, and levels of colonic PYY have reduced in rats with DSS-induced colitis, and in humans with inflammatory bowel disease (IBD), while circulating PYY increased in IBD.

## PRODUCT SPECIFIC NOTICES

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