

#### DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human Peptide YY in direct ELISAs.
<b>Source</b>	Monoclonal Mouse IgG <sub>2B</sub> Clone # 1011014
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Human Peptide YY synthetic peptide
<b>Conjugate</b>	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
<b>Formulation</b>	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide  *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.

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

#### PREPARATION AND STORAGE

**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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