

DESCRIPTION

Species Reactivity	Human
Specificity	Detects Peptide YY in direct ELISAs.
Source	Monoclonal Rabbit IgG Clone # 2581A
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human Peptide YY synthetic peptide Accession # P10082
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	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.

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.

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