RDsystems a biotechne brand

Human Peptide YY Antibody

Monoclonal Mouse IgG2B Clone # 1011014 Catalog Number: MAB94562

DESCRIPTION		
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	
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.	

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.

This antibody functions as an ELISA detection antibody when paired with Mouse Anti-Human Peptide YY Monoclonal Antibody (Catalog # MAB94561).

This product is intended for assay development on various assay platforms requiring antibody pairs.

DATA

ELISA



Human Peptide YY ELISA Standard Curve. Recombinant Human Peptide YY protein was serially diluted 2-fold and captured by Mouse Anti-Human Peptide YY Monoclonal Antibody (Catalog # MAB94561) coated on a Clear Polystyrene Microplate (Catalog # DY990). Mouse Anti-Human Peptide YY Monoclonal Antibody (Catalog # MAB94562) was biotinylated and incubated with the protein captured on the plate. Detection of the standard curve was achieved by incubating Streptavidin-HRP (Catalog # DY998) followed by Substrate Solution (Catalog # DY999) and stopping the enzymatic reaction with Stop Solution (Catalog # DY994).

PREPARATION AND STORAGE		
Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.	
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C	
Stability & Storage	 Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 	
	 6 months, -20 to -70 °C under sterile conditions after reconstitution. 	

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

Rev. 8/30/2019 Page 1 of 1



Global bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL +1 612 379 2956 USA TEL 800 343 7475 Canada TEL 855 668 8722 China TEL +86 (21) 52380373 Europe | Middle East | Africa TEL +44 (0)1235 529449