



Anti-Peptide YY (human, PYY)

Subclass: IgG1/k

PRODUCT NO. **ABS 029-01**

PRESENTATION Preparation: Protein-A/G purified
 Content: Available in 200 µL and 1 mL, 1 mg/mL
 Solvent: 0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15mM sodium azide
 Storage: In the dark at 4-8°C

ANTIGEN PYY (peptide tyrosine-tyrosine amide) is a 36 amino-acid member of the pancreatic polypeptide (PP) family of peptides (NPY, PYY and PP). While NPY is localized in neurons (both in the central and peripheral nervous system) and PP in the pancreatic islets, PYY is found in both neurons and the gut. PYY is released in response to food intake from the same endocrine cells (L cells) in the intestinal mucosa as the glucagon-like peptides and inhibits gall bladder secretion, gut motility and pancreatic secretion. These effects are similar to those of PP and overlap with the gut inhibitory activity of GLP-1.

IMMUNOGEN Synthetic human PYY coupled to carrier with glutaraldehyde

SPECIFICITY ABS 029-01 binds human PYY. Cross-reactivity with neuropeptide Y (NPY) or pancreatic polypeptide (PP) in solution was <0.1%.

EPIPOE SPECIFICITY Not determined

REACTIVITY ABS 029-01 binds free PYY in solution.
 ABS 029-01 reacts in ELISA with PYY coated directly onto the microtiter well.

CULTURE MEDIUM RPMI 1640 with 10% fetal calf serum

FUSION PARTNER SP2mIL6.

IMMUNIZATION Female NMRIxBALB/c mice immunized i.p. with immunogen adsorbed onto aluminum hydroxide gel and emulsified in Freund's incomplete adjuvant.

APPLICATION

Method	Usability	Dilution guideline	References
ELISA	Yes	1:16,000	
Immunoblotting	Not determined		
Immunohistochemistry	Not determined		

The dilution guideline for ELISA is based on use as detection antibody for antigen coated at 1 µg/ml. Users should determine the optimal dilutions for their own purposes.

REFERENCES

CONDITIONS

All products are supplied on the understanding that they are for in vitro use only. The information and product are offered without guarantee as the ultimate conditions of use are beyond our control. The animals from which this product was derived have not been exposed to or inoculated with any livestock or poultry disease agents exotic to the United States or Western Europe, and did not originate from facilities where work with exotic disease agents affecting livestock or avian species is carried out.