

**Anti-Peptide YY (human, PYY)
 Mouse monoclonal antibody**

CAT. NO.

ABS 029-01

 Subclass: IgG1/k
 Clone: 1

SPECIFICITY	ABS 029-01 binds human PYY. Cross-reactivity with NPY or PP in solution is <0.1%.
IMMUNOGEN	Synthetic human PYY
TESTED APPLICATIONS	ELISA, IHC
SPECIES REACTIVITY (POSITIVE)	Human
SPECIES REACTIVITY (NEGATIVE)	Not determined
EPITOPE SPECIFICITY	Not determined

PRESENTATION

Content:	Available in 400 µL and 1 mL size. 1 mg/mL +/- 15%. See Certificate of Analysis for details.
Preparation:	Protein-A purified
Form:	Liquid
Solvent:	0.01 M phosphate buffer, pH 7.4, containing 0.5 M NaCl and 15 mM sodium azide
Storage:	4-8°C without exposure to light. No precautions necessary during handling.

APPLICATION

ELISA: ABS 029-01 binds free PYY in solution. ABS 029-01 reacts in ELISA with PYY coated directly onto the microtiter well. Biotinylated ABS 029-01 can be used as detection antibody with ABS 051-04 as capture antibody for measuring PYY (3-36) by sandwich ELISA.

IHC: ABS 029-01 can be used in IHC. Please consult www.proteinatlas.org

TARGET

Peptide tyrosine-tyrosine (PYY) amide is a 36 amino acid. PYY is a member of the pancreatic polypeptide (PP) family of peptides (neuropeptide Y (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.

REFERENCES
CONDITIONS

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