

**Anti PYY(3-36) (peptide tyrosine-tyrosine amide, 3-36)****Mouse monoclonal antibody**

Subclass: IgG1/k

CAT. NO.

**ABS 051-04**

Clone:04

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SPECIFICITY	ABS 051-04 binds human PYY(3-36). Based on inhibition ELISA, ABS 051-04 shows no cross-reaction with PYY(1-36) or NPY.
IMMUNOGEN	Synthetic N-terminal fragment of human PYY(3-36) coupled to carrier
TESTED APPLICATIONS	ELISA, WB
SPECIES REACTIVITY (POSITIVE)	Human
SPECIES REACTIVITY (NEGATIVE)	Mouse, rat, dog, pig
EPITOPE SPECIFICITY	The epitope lies within residues 3-12 of human PYY

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## PRESENTATION

Content:	Available in 200 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.

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APPLICATION	<b>ELISA:</b> ABS 051-04 binds free PYY(3-36) in solution. An ELISA dilution guideline of 1/20,000 applies to PYY(3-36) coated directly at 1 µg/mL. ABS 051-04 as capture antibody forms a sandwich ELISA antibody pair with biotinylated ABS 029-01 as detection antibody for measuring PYY(3-36). <b>WB:</b> ABS 051-04 can be used in Western blotting.
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TARGET	Peptide tyrosine-tyrosine amide (3-36), or PYY(3-36), is a major metabolite of the gut hormone PYY and is produced by the action of dipeptidyl peptidase IV on PYY in the intestinal brush border and in the circulation. PYY(3-36) is a potent inhibitor of food intake in rats and humans, acting selectively on the Y2 receptor to inhibit orexigenic NPY neurons in the arcuate nucleus, thus disinhibiting anorexigenic POMC neurons. The anorexigenic effect of PYY(3-36) is additive to that of the co-secreted gut hormone GLP-1.
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## REFERENCES

## CONDITIONS

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