



Anti-Pancreatic Polypeptide (human, PP)

Subclass: IgG1/k

PRODUCT NO. **ABS 030-06**

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 Pancreatic polypeptide (PP) is a 36 amino-acid residue peptide with sequence and 3-D structural homology with NPY and PYY. PP is the least conserved of the three peptides and was the first to be identified. It is almost exclusively expressed in the endocrine pancreas and released in response to cholinergic stimulation and food intake. PP has inhibitory effects on gall bladder secretion, intestinal motility and pancreatic secretion. PP may serve as a marker for certain gut endocrine tumors including carcinoid tumors.

IMMUNOGEN Synthetic human PP coupled to carrier with glutaraldehyde

SPECIFICITY ABS 030-06 binds human full length pancreatic polypeptide. Cross-reactivity with NPY and PYY was <0.1%.

EPIPOPE SPECIFICITY The epitope of ABS 030-06 has not been determined.

REACTIVITY ABS 030-06 binds free PP in solution.
 ABS 030-06 reacts in ELISA with PP 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 Al(OH)₃ and emulsified in Freund's incomplete adjuvant.

APPLICATION

Method	Usability	Dilution guideline	References
ELISA	Yes	1:8000	
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.