

Mouse Proinsulin Monoclonal Antibody | anti-INS antibody

Proinsulin antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA74567	Mouse	Reacts with the connection site of C-Peptide and the C-end of the B-chain of proinsulin. Does not react with human, bovine or porcine insulin.	Immunohistochemistry, ELISA

PRODUCT SYNONYMS

Proinsulin; Monoclonal Antibody; Proinsulin antibody; Monoclonal Proinsulin; Anti-Proinsulin; anti-INS antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Reacts with the connection site of C-Peptide and the C-end of the B-chain of proinsulin. Does not react with human, bovine or porcine insulin.
Clonality	Monoclonal
Isotype	IgG1 kappa
Clone Number	M32237
Specificity	Human
Purity/Purification	Proinsulin antibody was purified by chromatography on protein A Sepharose.
Form/Format	Protein A purified, supplied in PBS buffer, pH7.4 with 0.1% NaN3.
Concentration	6.5mg/ml (varies by lot)
Sequence Length	110
Applicable Applications for anti-INS antibody	IHC (Immunohistochemistry), ELISA
Biological Significance	Proinsulin is the prohormone precursor to insulin made in the beta cells of the islets of Langerhans, specialized regions of the pancreas. In humans, proinsulin is encoded by the INS gene. Proinsulin is synthesized in the endoplasmic reticulum, where it is folded and its disulfide bonds are oxidized. It is then transported to the Golgi apparatus where it is packaged into secretory vesicles, and where it is processed by a series of proteases to form mature insulin.
Biohazard Information	This product contains sodium azide as preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling this product.
Immunogen	Human Proinsulin
Preparation and Storage	Store at 4 degree C or -20 degree C for longer storage.

ADDITIONAL INFORMATION

Related Product Information for anti-INS antibody	Mouse monoclonal Proinsulin antibody
Product Categories/Family for anti-INS antibody	Hormones & Steroids

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557671
NCBI GeneID	3630
NCBI Accession #	NP_000198.1
NCBI GenBank Nucleotide #	NM_000207.2
UniProt Accession #	P01308; Q5EEX2
NCBI Official Full Name	insulin preproprotein
NCBI Official Synonym Full Names	insulin
NCBI Official Symbol	INS
NCBI Official Synonym Symbols	IDDM; ILPR; IRDN; IDDM1; IDDM2; MODY10
NCBI Protein Information	insulin
UniProt Protein Name	Insulin
UniProt Gene Name	INS
UniProt Entry Name	INS_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/proinsulin-antibody-clone-m32237-immunohistochemistry-elisa/74567>