

Mouse Insulin Monoclonal Antibody | anti-INS antibody

Insulin antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA74594	Mouse	Specific to human insulin. Cross react with human proinsulin , bovine insulin (30%), and procine insulin. No cross-reaction with free C-peptide.	ELISA

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Specific to human insulin. Cross react with human proinsulin , bovine insulin (30%), and procine insulin. No cross-reaction with free C-peptide.
Clonality	Monoclonal
Isotype	IgG1
Clone Number	M322213
Specificity	Human
Purity/Purification	Insulin antibody was purified by chromatography on protein A Sepharose.
Form/Format	Liquid in PBS buffer, pH 7.4 containing 0.09% Sodium Azide.
Concentration	5.6 mg/ml (varies by lot)
Sequence Length	110
Applicable Applications for anti-INS antibody	ELISA
Biological Significance	Insulin is synthesized in significant quantities only in beta cells in the pancreas. It is secreted primarily in response to elevated blood concentrations of glucose. Insulin thus can regulate blood glucose and the body senses and responds to rise in blood glucose by secreting insulin.
Affinity Constant	$\sim 7.5 \times 10^9$ Liters/Mole
Cross-Reactivity	Specific to human insulin. Cross react with human proinsulin, bovine insulin (30%) and porcine insulin. No cross-reaction with free C-peptide.
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	Purified human insulin
Additional Remarks	Detection of insulin in two-site enzyme immunoassay.
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 Insulin antibody
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NCBI AND UNIPROT INFORMATION

NCBI GI #	386828
NCBI GeneID	3630
UniProt Accession #	P01308; Q5EEX2
NCBI Official Full Name	insulin
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://www.aaabiotech.com/monoclonal/insulin-antibody-clone-m322213-elisa/74594>