

Mouse anti-Human Insulin Monoclonal Antibody | anti-INS antibody

Insulin antibody

CATALOG # AAA74575	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	M322214
Specificity	Human
Purity/Purification	Insulin antibody was purified by chromatography on protein A Sepharose.
Form/Format	Protein A purified and supplied in PBS buffer, pH 7.4 containing 0.09% NaN ₃
Concentration	7.7 mg/ml (varies by lot)
Sequence Length	110
Applicable Applications for anti-INS antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Purified human insulin
Affinity Constant	~2 x 10 ⁸ Liters/mole
Biological Significance	insulin, a hormone that regulates the level of sugar (glucose) in the blood and that is produced by the beta cells of the islets of Langerhans in the pancreas. Insulin is secreted when the level of blood glucose rises such as after a meal. When the level of blood glucose falls, secretion of insulin stops, and the liver releases glucose into the blood.
Assay Information	10-130C can be used as the conjugate antibody with 10-130B as the coating antibody
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.
Cross-Reactivity	Insulin 100%; Human ProInsulin 1%
Preparation and Storage	Store at 4°C short term, -20°C long term

ADDITIONAL INFORMATION

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

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://stage.aaabiotech.com/monoclonal/insulin-antibody-clone-m322214-immunohistochemistry-elisa/74575>