

Anti-Insulin [Ab 123 (mAb3, CC9C10)] Standard Size Ab03132-10.0

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Human IgG1, Kappa

Clone Number: Ab 123 (mAb3, CC9C10)

Alternative Name(s) of Target: INS; proinsulin

UniProt Accession Number of Target Protein: P01317

Published Application(s): RIA, ELISA, FC

Published Species Reactivity: calf, rodent, Human

Immunogen: The original antibody was generated by immunizing female BALB/c mice with calf insulin in Freund's complete adjuvant.

Specificity: This antibody binds an epitope on the B chain of calf, human and rodent insulin. Insulin is a peptide hormone produced by the beta cells of the pancreatic islets. It reduces blood glucose concentration by promoting its absorption from the blood into liver, fat and skeletal muscle cells. Decreased or absent insulin activity results in diabetes mellitus, a condition of high blood sugar level (hyperglycemia).

Application Notes: This antibody can be used to detect insulin in a sample using ELISA and radioimmunoassay (PMID: 2109009; 6193965). This antibody was used in the flow cytometric analysis of insulin occupied B cell receptors in VH125SD B6 mice (PMID: 26109644).

Antibody First Published in: Schroer et al. Mapping epitopes on the insulin molecule using monoclonal antibodies. Eur J Immunol. 1983 Sep;13(9):693-700. [PMID:6193965](#)

Note on publication: Describes the generation of 18 different antibodies to map the antigenic determinants on the human insulin.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -

20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.