Proinsulin Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	Proinsulin, Monoclonal Antibody
Full Product Name	Proinsulin (Insulin, ILPR, IRDN) (Biotin)
Product Synonym Names	Insulin; ILPR; IRDN
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	5B5
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified
Specificity	Recognizes human Proinsulin.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Immunogen	INS-conjugated human Proinsulin peptide (NP_000198, 48aa-62aa)
Immunogen Sequence	CFFYTPKTRREAEDLQ
Conjugate	Biotin
Product Categories/Family for anti-Proinsulin antibody	Antibodies; Hormones; Steroids
Applications Tested/Suitable for anti-Proinsulin antibody	ELISA (EIA)
Application Notes for anti-Proinsulin antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-Proinsulin antibody	After removal of the precursor signal peptide, proinsulin is post-translationally cleaved into two chains (peptide A and peptide B) that are covalently linked via two disulfide bonds. Binding of this mature form of insulin to the insulin receptor (INSR) stimulates glucose uptake. A variety of mutant alleles with changes in the coding region have been identified. There is a read-through gene, INS-IGF2, which overlaps with this gene at the 5' region and with the IGF2 gene at the 3' region. [provided by RefSeq]
Other Notes	Small volumes of anti-Proinsulin antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Proinsulin purchase	MBS6171864 is an antibody targeting Proinsulin. Also known as Proinsulin (Insulin, ILPR, IRDN) (Biotin). Host: Mouse.

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Online datasheet: https://www.mybiosource.com/monoclonal-antibody/proinsulin/6171864