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39-1045: Anti-Insulin Monoclonal Antibody (Clone: K36AC10)

Clonality: Monoclonal **Clone Name:** K36AC10 IHC-P Application: Reactivity: Human Gene: INS Gene ID: 3630 **Uniprot ID:** P01308 **Alternative Name:** Insulin Isotype: Mouse IgG1 Immunogen Information: Human insulin.

Description

Insulin, synthesized by the beta cells of the islets of Langerhans, consists of 2 dissimilar polypeptide chains, A and B, which are linked by 2 disulfide bonds. The insulin gene contains 3 exons and 2 introns; exon 2 encodes the signal peptide, the B chain, and part of the C peptide, while exon 3 encodes the remainder of the C peptide and the A chain. Localization of the human insulin gene to the distal end of the short arm of chromosome 11. Harper et al.(1981) and Harper and Saunders(1981) assigned the insulin gene to 11p15.5 by in situ hybridization.

Product Info

Amount : $100 \mu g/vial$ Purification : Ascites

Content: Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN3 as preservative.

Reconstitute: Add 1ml of PBS buffer will yield a concentration of 100ug/ml.

Storage condition:

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and

stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Application Note

 $Immunohistochemistry (Paraffin-embedded \ Section): 0.4-1 \tilde{A} \square \hat{A}^{1}\!\!/_{\!4} g/ml$

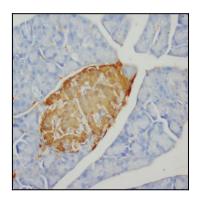


Figure 1: Anti-Insulin monoclonal antibody(39-1045). IHC(P): Rat Pancreas Tissue.



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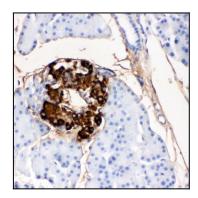


Figure 2: Anti-Insulin monoclonal antibody(39-1045). IHC(P): Rat Pancreas Tissue.