

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	K36AC10
<b>Application :</b>	IHC-P
<b>Reactivity :</b>	Human
<b>Gene :</b>	INS
<b>Gene ID :</b>	3630
<b>Uniprot ID :</b>	P01308
<b>Alternative Name :</b>	Insulin
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	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

<b>Amount :</b>	100 µg/vial
<b>Purification :</b>	Ascites
<b>Content :</b>	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN <sub>3</sub> as preservative. Reconstitute : Add 1ml of PBS buffer will yield a concentration of 100ug/ml.
<b>Storage condition :</b>	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) : 0.4-1µg/ml

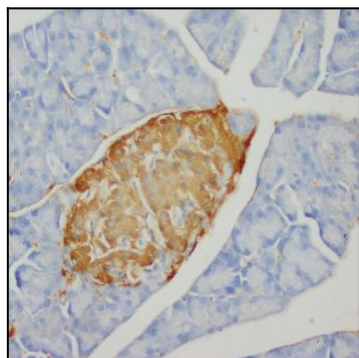


Figure 1: Anti-Insulin monoclonal antibody(39-1045). IHC(P): Rat Pancreas Tissue.

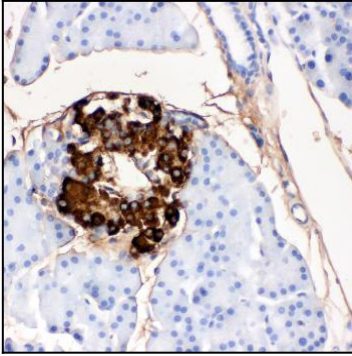


Figure 2: Anti-Insulin monoclonal antibody(39-1045). IHC(P): Rat Pancreas Tissue.