



Product Information Sheet

Monoclonal Anti-Insulin- Magnetic Bead Conjugate

Catalogue No. MA1052-M

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Lot No. 08A12

Formulation

Clone: ISL-8J

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN₃.

Ig type: mouse IgG1

Storage

Size: 200µl

Store at 4°C for frequent use.

Specificity

Human, mouse, rat.

No cross reactivity with other proteins.

Description

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified beads. It is useful for immunoprecipitation.

Recommended application

Immunoprecipitation(IP)

BACKGROUND

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

REFERENCE

1 Harper, M. E.; Ullrich, A.; Saunders, G. F. : Localization of the human insulin gene to the distal end of the short arm of chromosome 11. *Proc. Nat. Acad. Sci.* 78: 4458-4460, 1981.

2 Owerbach, D.; Bell, G. I.; Rutter, W. J.; Shows, T. B. : The insulin gene is located on chromosome 11 in human. *Nature* 286: 82-84, 1980.

3 Huerre, C.; Gilgenkrantz, S.; Leonard, C.; Pictet, R.; Kaplan, J. C.; Junien, C. : Regional assignment of the structural gene for insulin to 11p15.1-11p15.5 by deletion mapping. (Abstract) *Cytogenet. Cell Genet.* 37: 495, 1984.

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