



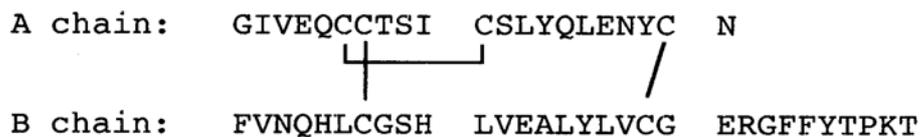
Anti Insulin (Human) Serum

Cat. No. YII-Y370-EX Lot No. 02150703

Description: This antiserum was raised in a guinea pig by immunization with a recombinant insulin (human) protein. The product vial contains 50 µL of the titled antiserum obtained by lyophilizing its 0.001 M phosphate buffer (pH 7.0, 0.5mL) solution. It can be used for immunoassay, immunohistochemistry or any other immunoreaction with insulin.

Immunogen: Recombinant insulin (human), carrier free **Host:** Guinea pig

Amino Acid Sequence of Insuline (human)¹⁾:



Product Form: Lyophilized unpurified serum **Size:** 50 µL

Reconstitution: Reconstitute the product with 0.5mL of 0.01M PBS (pH 7.0) to make a 10 fold diluted stock solution. If it is stored in a refrigerator, add moderate antiseptic to the solution (e.g. NaN₃ 0.1%).

Storage: The product will be stable for over one year if it be stored at -20°C to -80°C until opened. Upon reconstitution, the antiserum solution must be stored at 2°C to 8°C and used within one month. Reconstituted antiserum solution can also be aliquotted and stored at -20°C to -80°C for six months without marked loss of activity. Repeated freezing- thawing should be avoided.

Suggested Working Dilution Range: 1:1,000-3,000 (final dilution ~1:21,000) for radioimmunoassay; 1:1,000-5,000 for immunohistochemistry (frozen or paraffin sections). Optimal dilution should be determined by each laboratory for each application.

Specificity (based on ELISA): Insulin (human) 100%, insulin (porcine) 100%, insulin (rabbit) 100%, insulin (dog) 100%, insulin (bovine) 18%, insulin (mouse) 26%, insulin (rat) 3.5%, proinsulin (human) 20%

REFERENCES:

1) G.I. Bell, R.L. Pictet et al., Sequence of the human insulin gene. Nature 284:26, 1980

FOR RESEARCH LABORATORY USE ONLY

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM



COSMO BIO CO., LTD.
Inspiration for Life Science

TOYO EKIMAE BLDG, 2-20, TOYO 2CHOME, KOTO-KU, TOKYO 135-0016, JAPAN
TEL: +81-3-5632-9617 FAX: +81-3-5632-9618 e-mail: export@cosmobio.co.jp

www.cosmobio.co.jp