

Anti-Insulin Affibody[®] Molecule, HRP Conjugated

BACKGROUND

The 5.7 kDa polypeptide hormone insulin is structured as two polypeptide chains, the 21 amino acid A chain and the 30 amino acid B chain, linked by two disulphide bonds. Insulin is synthesized in the beta cells of the islets of Langerhans in the pancreas as a prohormone; proinsulin that is later transformed by proteolytic action into the active hormone. Insulin exerts multiple actions throughout the body to regulate the energy metabolism. Its anabolic action includes build-up and storage of glycogen and fat.

The Anti-Insulin Affibody[®] molecule was selected against recombinant human insulin (chain A and B). The molecule is conjugated with maleimide activated horseradish peroxidase (HRP) at the unique C-terminal cysteine. The HRP conjugated Anti-Insulin Affibody[®] molecule is excellent for immunohistochemical staining of frozen and paraffin embedded tissue sections.

PRODUCT INFORMATION

Product name: Anti-Insulin Affibody[®] molecule, HRP Conjugated.

Catalog number:

500 µl: 10.0814.05.0005

Source: Recombinant protein produced in *E. coli*.

Specificity: Anti-Insulin Affibody[®] molecule binds to human, mouse and rat insulin.

Purity: >98% as determined by SDS-PAGE.

Tested applications: Immunohistochemical staining of frozen and paraffin embedded tissue sections.

Form: In buffer solution (25 mM Sodium Phosphate, 100 mM Sodium Chloride, 50% (v/v) Glycerol, pH 7.5).

Storage: At -20°C. Avoid freezing.

Shipping: At ambient temperature.

Stability: There is no decrease in performance of the HRP conjugated Affibody[®] molecule after storage for 2 weeks in room temperature.

Product support: www.affibody.com/shop
Affibody AB, P.O. Box 20137, SE-161 02 Bromma, Sweden. Phone: +46-8-598 838 00, Fax: +46-8-598 838 01. E-mail: biotechnology@affibody.com.

LIMITATIONS

Warranty: Affibody[®] products are warranted to meet stated product specifications and to confirm to label descriptions when used and stored properly. Unless otherwise stated, this warranty is limited to one year from date of sales for products used, handled and stored according to Affibody AB's instructions. Affibody AB's sole liability is limited to replacement of the product or refund of the purchase price. Affibody[®] products are supplied for research use only. They are not intended for medicinal, diagnostic or therapeutic use. Affibody[®] products may not be resold, modified for resale or used to manufacture commercial products without prior written approval from Affibody AB.

AFFIBODY AB, PO Box 20137, SE-161 02 Bromma, Sweden. Phone: +46-8-598 838 00, Fax: +46-8-598 838 01, E-mail: biotechnology@affibody.com, Web: www.affibody.com/shop.
Rev 061108