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GroPep Bioreagents



Human insulin receptor 83-14 monoclonal antibody (alpha chain)

Description

Human insulin receptor antibody 83-14 is a mouse monoclonal antibody (IgG_{2a}) that recognizes an epitope within amino acids 469-572 in the extracellular domain of the human insulin receptor. The antibody was prepared by immunising mice with a preparation of IM9 lymphocytes and then with purified insulin receptor. The antibody strongly inhibits the binding of insulin to the insulin receptor in 3T3 cells.

References:

Soos MA *et al* (1986) *Biochemical Journal* **235**, 199-208
Tulloch PA *et al* (1999) *J Structural Biology* **125**, 11-18

Immunogen:

IM9 lymphocyte preparation

Source:

Produced in hybridoma cells derived from the NS-1 myeloma cell line. Purified from conditioned medium by Protein A affinity chromatography

Specificity:

Cross-reacts with the human insulin receptor but not the rat insulin receptor or the human type 1 IGF receptor

Appearance:

Lyophilized white powder

Storage/Stability:

At least 2 years at 2 - 4°C (lyophilized).
After reconstitution store at -20°C or -80°C
Avoid freeze-thaw cycles

Reconstitution:

Dissolve in 200 µl phosphate buffered saline pH 7.4

Application and Titre:

Each application and titre should be determined in house but as a guideline:
Western immunoblotting (1:5,000);
Immunoprecipitation (1:5,000);
Enzyme immunoassay (1:5,000)

Product Codes and Pricing

**Human insulin receptor
monoclonal antibody 83-14** **200 µg** **MAI1**

Related Products:

Human insulin receptor monoclonal antibody CT-1;
Human insulin receptor monoclonal antibody 83-7

****NOT FOR USE IN HUMANS****

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