



GroPep Bioreagents

Human insulin receptor 83-7 monoclonal antibody (alpha chain)

Description

Human insulin receptor antibody 83-7 is a murine monoclonal antibody (IgG1) that recognizes an epitope within amino acids 140-301 (the cysteine rich region) of the extracellular domain of the human insulin receptor. The antibody enhances the binding of insulin to the insulin receptor of 3T3 cells and stimulates insulin-mediated thymidine incorporation in these cells.

References:

Soos MA *et al* (1986) Biochemical Journal **235**, 199-208
Macaulay SL *et al* (1994) Biochemical Journal **303**, 575-581

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 83-7**

200 µg

MAG1

Related Products:

Human insulin receptor monoclonal antibody CT-1;
Human insulin receptor monoclonal antibody 83-14

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

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