



# GroPep Bioreagents

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

### Description

Human insulin receptor antibody 83-14 is a mouse monoclonal antibody (IgG<sub>2a</sub>) 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

<b>Human insulin receptor monoclonal antibody 83-14</b>	<b>200 µg</b>	<b>MAI1</b>	<b>US\$150</b>
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### Related Products:

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

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

GroPep Bioreagents Pty Ltd  
51 West Thebarton Road  
Thebarton SA 5031  
Australia

ABN 93 147 032 166

Telephone: +61 8 7222 1051

Postal Address:  
PO Box 10065  
Adelaide Business Centre  
SA 5000  
Australia

Email:  
[info@gropep.com](mailto:info@gropep.com)

Internet:  
[www.gropep.com](http://www.gropep.com)