

INSR

Mouse Anti-Human Insulin Receptor α -chain (Clone 83-14) mAb

Catalog No.	MAI1	Quantity:	200 μ g
Alternate Names:	CD220, INSR, IR		
Description:	Human insulin receptor antibody 83-14 is a mouse monoclonal antibody that recognizes an epitope within amino acids 469-592 in the extracellular domain of the human insulin receptor. The antibody was prepared by immunizing 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.		
UniProt ID:	P06213		
Gene ID:	3643		
Hybridoma:	Produced in hybridoma cells derived from the NS-1 myeloma cell line.		
Specificity:	Recognition of an epitope located within amino acids 469-592 of the extracellular domain of the human insulin receptor.		
Host:	Mouse		
Immunogen:	IM9 lymphocyte preparation, followed by purified insulin receptor		
Isotype:	IgG2a		
Clone:	83-14		
Formulation:	Lyophilized		
Purification:	Protein A affinity chromatography from conditioned medium		
Reconstitution:	Centrifuge vial prior to opening. Reconstitute in 200 μ l PBS, pH 7.4.		
Cross-Reactivity:	Does not react with the human Type 1 IGF receptor or the rat insulin receptor.		
Applications:	The antibody strongly inhibits the binding of insulin to the insulin receptor in 3T3 cells.		
Application Notes:	ELISA: 1:5,000. The optimal concentration should be determined by the user for each specific application.		
Storage & Stability:	Store as supplied for up to 2 years at 2-8°C. After reconstitution, aliquot and store at -20°C or -80°C. Avoid repeated freeze-thaw cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.