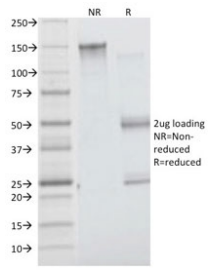
Insulin Receptor alpha Antibody [clone INSR/1661] (V8071)

Catalog No.	Formulation	Size
V8071-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8071-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8071SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	INSR/1661
Purity	Protein G affinity chromatography
UniProt	P06213
Applications	ELISA (order BSA-free Format For Coating) :
Limitations	This Insulin Receptor alpha antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free Insulin Receptor alpha antibody (clone INSR/1661) as confirmation of integrity and purity.

Description

The insulin receptor (INSR) is a heterodimeric protein complex that has an intracellular subunit, which is disulfide-linked to a transmembrane segment. The insulin ligand binds to the INSR and initiates molecular signaling pathways that promote

glucose uptake in cells and glycogen synthesis. Insulin binding to INSR induces phosphorylation of intra-cellular tyrosine kinase domains and recruitment of multiple SH2 and SH3 domain-containing intracellular proteins that serve as signaling intermediates for pleiotropic effects of insulin. Type 1 diabetes is an autoimmune condition of the endocrine pancreas that results in destruction of insulin secreting cells and a progressive loss in insulin-sensitive glucose uptake by cells.

Application Notes

Optimal dilution of the Insulin Receptor alpha antibody should be determined by the researcher.

Immunogen

A recombinant fragment from the extracellular domain of human Insulin Receptor alpha was used as the immunogen for this Insulin Receptor alpha antibody.

Storage

Store the Insulin Receptor alpha antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).