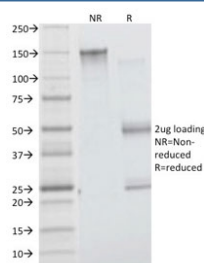


## Insulin Receptor alpha Antibody [clone INSR/1661] (V8071)

| 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**

|                           |                                                                          |
|---------------------------|--------------------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                                        |
| <b>Species Reactivity</b> | Human                                                                    |
| <b>Format</b>             | Purified                                                                 |
| <b>Clonality</b>          | Monoclonal (mouse origin)                                                |
| <b>Isotype</b>            | Mouse IgG1, kappa                                                        |
| <b>Clone Name</b>         | INSR/1661                                                                |
| <b>Purity</b>             | Protein G affinity chromatography                                        |
| <b>UniProt</b>            | P06213                                                                   |
| <b>Applications</b>       | ELISA (order BSA-free Format For Coating) :                              |
| <b>Limitations</b>        | 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).