

Phospho-IRS (Ser⁶¹⁶) Antibody (Clone HIR-B1)

CATALOG #:	3105-100
Amount:	100 µg
HOST:	Mouse
ISOTYPE:	IgG1
CLONE#	HIR-B1
PURIFICATION:	Protein G
IMMUNOGEN:	Synthetic peptide phosphorylated at Ser 616 site
SPECIES REACTIVITY:	Human

ANTIBODY FORMULATION:

100 µg (0.5 mg/ml) affinity purified mouse monoclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

STORAGE CONDITIONS:

Store at -20°C. Aliquot when required. Avoid repeated freeze/thaw cycles.

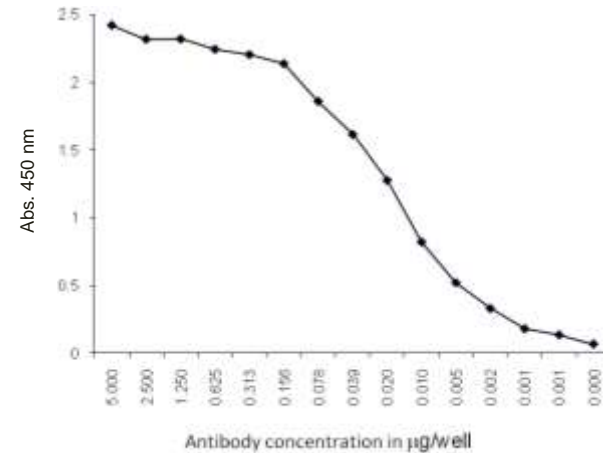
DESCRIPTION:

Insulin receptor substrates (IRS) subtypes are responsible for several insulin related activities, such as glucose homeostasis, cell growth, cell transformation, apoptosis and insulin signal transduction. The balance between Ser/Thr phosphorylation of IRS has been demonstrated to be an important regulator of insulin signaling. IRS1 has also been shown to be constitutively activated in cancers such as breast cancer, Wilm's tumors, and adrenal cortical carcinomas. Does not recognize IRS peptide NOT phosphorylated at Ser616 and will not recognize IRS peptide phosphorylated at Tyr183. Also does not react with riboflavin carrier protein which is known to have multiple phosphate groups.

APPLICATIONS:

- Indirect ELISA (For detection of antigen; recommended use at 2 µg/ml)
- Optimal concentrations should be determined individually

FOR RESEARCH USE ONLY! Not to be used in humans!



Indirect ELISA Serial dilution of the antibody starting with 5 µg/well was done to check for the affinity. 1 µg of coated antigen can be sensitively detected by anti-human IRS Ser 616-Phospho antibody used at 300 pg/well concentration.

RELATED PRODUCTS:

- Rat pancreatic monoclonal antibody
- C-peptide monoclonal antibody
- GLP-1 monoclonal antibody
- PYY3-36 monoclonal antibody
- Proinsulin monoclonal antibody