INSRR Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	INSRR, Monoclonal Antibody
Full Product Name	INSRR (IRR, Insulin Receptor-related Receptor, IR-related Receptor, OTTHUMP00000038715) (AP)
Product Gene Name	anti-INSRR antibody
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	2C1
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified
Specificity	Recognizes human INSRR.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only pri use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
OMIM	147671
3D Structure	ModBase 3D Structure for P14616
Immunogen	Recombinant protein corresponding to aa651-760 from human INSRR with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	LYLNDYCHRGLRLPTSNNDPRFDGEDGDPEAEMESDCCPCQHPPPGQVLPPLEAQEASFQKKFENFLHNAITIPISPWKVTSINKSPQRDSGRHRRAAG
Conjugate	AP
Product Categories/Family for anti-INSRR antibody	Antibodies; Insulin
Applications Tested/Suitable for anti-INSRR antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-INSRR antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-INSRR antibody	Receptor with tyrosine-protein kinase activity. Functions as a pH sensing receptor which is activated by increased extracellular pH. Activates an intrace pathway that involves IRS1 and AKT1/PKB.

Other Notes	Small volumes of anti-INSRR antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional apply.
Searchable Terms for INSRR purchase	MBS6134847 is an antibody targeting INSRR. Also known as INSRR (IRR, Insulin Receptor-related Receptor, IR-related Receptor, OTTHUMP000000 Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for INSRR. It may not necessarily be applicable to this product.

NCBI GI #	31657140
NCBI GeneID	3645
NCBI Accession #	NP_055030
UniProt Primary Accession #	P14616
UniProt Related Accession #	P14616
GenBank Nucleotide #	NP_055030.1
NCBI Official Full Name	insulin receptor-related protein
NCBI Official Synonym Full Names	insulin receptor related receptor
NCBI Official Symbol	INSRR
NCBI Official Synonym Symbols	IRR
UniProt Protein Name	Insulin receptor-related protein
UniProt Synonym Protein Names	IR-related receptor
Protein Family	Insulin receptor-related protein
UniProt Gene Name	INSRR
UniProt Synonym Gene Names	IRR; IRR
UniProt Entry Name	INSRR_HUMAN
NCBI Protein Information	insulin receptor-related protein
UniProt Comments for INSRR	IRR: Receptor with tyrosine-protein kinase activity. Functions as a pH sensing receptor which is activated by increased extracellular pH. Activates an intracellular signaling pathway that involves IRS1 and AKT1/PKB. Probable tetramer of 2 alpha and 2 beta chains linked by disulfide bonds. The alpha chains contribute to the formation of the ligand-binding domain, while the beta chains carry the kinase domain. Belongs to the protein kinase superfamily. Tyr protein kinase family. Insulin receptor subfamily. Protein type: Protein kinase, TK; Membrane protein, integral; Kinase, protein; Protein kinase, tyrosine (receptor); EC 2.7.10.1; TK group; InsR family Chromosomal Location of Human Ortholog: 1q21-q23 Cellular Component: integral to plasma membrane; receptor complex Molecular Function: insulin receptor substrate binding; phosphoinositide 3-kinase binding; transmembrane receptor protein tyrosine kinase activity; ATP binding Biological Process: peptidyl-tyrosine phosphorylation; protein amino acid autophosphorylation; male sex determination; actin cytoskeleton reorganization; transmembrane receptor protein tyrosine kinase signaling pathway
Research Articles on INSRR	**1.** the extensive glycosylation of FnIII-2/3 provides steric hindrance for the alkali-induced rearrangement of the IRR ectodomain.

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