Mouse anti-Human Insulin Receptor Monoclonal Antibody | anti-INSR antibody

Mouse Monoclonal Antibody to Insulin Receptor (Clone: IR-1)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78499	**Mouse**	**Human**	**Flow Cytometry, Functional Assay**

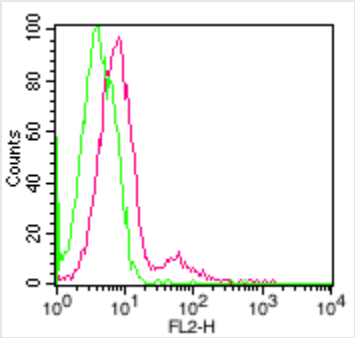
PRODUCT SYNONYMS

Insulin Receptor; Monoclonal Antibody; Mouse Monoclonal Antibody to Insulin Receptor (Clone: IR-1); Anti-Insulin Receptor Mouse Monoclonal Antibody; 10-7605; Insulin; CD220; HHF5; HIR A; INSR; Insulin receptor; IR; anti-INSR antibody

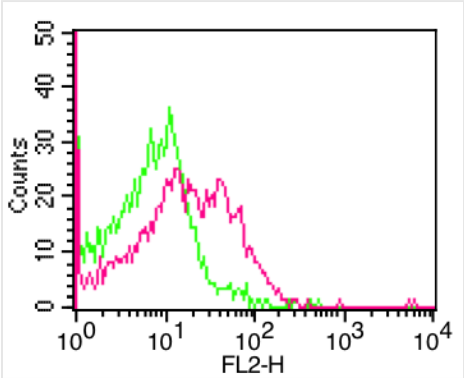
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	IR-1
Purity/Purification	Protein G Chromatography
Form/Format	0.5ug/ml of MAb purified by Protein G. Prepared in PBS with 0.05% BSA & 0.05% azide
Sequence Length	1382
Applicable Applications for anti-INSR antibody	FCM/FACS (Flow Cytometry)
Antigen	Insulin receptor
Preparation and Storage	Store at 2 to 8 degree C. For long-term storage, store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous.

IMAGES



Application Data
Fig 2: Cell surface staining of HepG2 cells. 2ug of antibody was used. Green Isotype control. Red Insulin Receptor antibody.



Application Data
Fig 1: Cell surface staining of PBMC, lymphocytes gated. 1ug of antibody was used. Green Isotype control. Red Insulin Receptor antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-INSR antibody	The insulin receptor (IR) is a heterodimeric protein complex that has an intracellular subunit and an extracellular subunit, which is disulfide-linked to a transmembrane segment. The insulin ligand binds to the IR and initiates molecular signaling pathways that promote glucose uptake in cells and glycogen synthesis. Insulin binding to IR 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 auto-immune condition of the endocrine pancreas that results in destruction of insulin secreting cells and a progressive loss in insulin-sensitive glucose uptake by cells.
Product Categories/Family for anti-INSR antibody	Antibodies; Miscellaneous

NCBI AND UNIPROT INFORMATION

NCBI GI #	119395736
NCBI GeneID	3643
NCBI Accession #	NP_000199.2
NCBI GenBank Nucleotide #	NP_000199.2
UniProt Accession #	P06213
NCBI Official Full Name	insulin receptor isoform Long preproprotein
NCBI Official Synonym Full Names	insulin receptor
NCBI Official Symbol	INSR
NCBI Official Synonym Symbols	HHF5; CD220
NCBI Protein Information	insulin receptor
UniProt Protein Name	Insulin receptor
UniProt Gene Name	**INSR**
UniProt Synonym Gene Names	IR
UniProt Entry Name	INSR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/insulin-receptor-antibody-clone-ir-1-flow-cytometry-elisa/78499