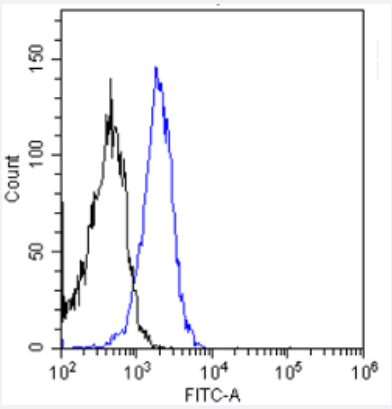
RecomAb™

INSR recombinant monoclonal antibody, clone 83-7

Catalog # RAB03608 Size 200 ug

Applications



Flow Cytometry

Flow cytometric analysis of Jurkat cells with INSR recombinant monoclonal antibody, clone 83-7 (Cat # RAB03608).
Jurkat cells were stained with unimmunized r antibody (isotype control-black line) or the r chimeric version of RAB03608 (blue line) at a concentration of 10 ug/mL for 30 mins at RT. After washing the bound antibody was detected using an anti-r JK (FITC-conjugate) antibody (129936) at 2 ug/mL and cells analyzed using a FACSCanto flow-cytometer.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human INSR.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against epitope (the cysteine rich region 140 a.a. - 301 a.a.) of the extrac ellular domain of human INSR.
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) Immunoprecipitation The optimal working dilution should be determined by the end user.

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Storage Buffer	In PBS (0.02% Proclin 300)
Storage Instruction	Store at 4°C for 3 months. For long term storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Flow Cytometry

  Flow cytometric analysis of Jurkat cells with INSR recombinant monoclonal antibody, clone 83-7 (Cat # RAB03608). Jurkat cells were stained with unimmunized r antibody (isotype control-black line) or the r chimeric version of RAB03608 (blue line) at a concentration of 10 ug/mL for 30 mins at RT. After washing the bound antibody was detected using an anti-r JK (FITC-conjugate) antibody (129936) at 2 ug/mL and cells analyzed using a FACSCanto flow-cytometer.
- Enzyme-linked Immunoabsorbent Assay
- Immunoprecipitation

Gene Info — INSR

Entrez GeneID	3643
Gene Name	INSR
Gene Alias	CD220, HHF5
Gene Description	insulin receptor
Omim ID	147670 246200 262190 609968 610549
Gene Ontology	Hyperlink
Gene Summary	After removal of the precursor signal peptide, the insulin receptor precursor is post-translationally cleaved into two chains (alpha and beta) that are covalently linked. Binding of insulin to the insulin receptor (INSR) stimulates glucose uptake. Two transcript variants encoding different isoforms ha ve been found for this gene. [provided by RefSeq
Other Designations	-

Pathway

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- Adherens junction
- Insulin signaling pathway
- Type II diabetes mellitus

Disease

- Acanthosis Nigricans
- Adenomatous Polyps
- Anorexia Nervosa
- Atherosclerosis
- Breast cancer
- Breast Neoplasms
- Bulimia
- Calcinosis
- Carcinoma
- Cardiovascular Diseases
- Colorectal Neoplasms
- Coronary Artery Disease
- Coronary Disease
- Coronary Restenosis
- Diabetes Mellitus
- Drug Toxicity
- Edema
- Genetic Predisposition to Disease
- Hepatitis
- Hyperandrogenism
- Hypercholesterolemia

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- Hyperinsulinism
- Hypertension
- Hypertriglyceridemia
- Insulin Resistance
- Kidney Failure
- Lung Neoplasms
- Metabolic Syndrome X
- Migraine Disorders
- Migraine with Aura
- Myocardial Infarction
- Neoplasms
- Obesity
- Ovarian cancer
- Ovarian Failure
- Ovarian Neoplasms
- Polycystic Ovary Syndrome
- Pre-Eclampsia
- Prostatic Neoplasms
- Puberty
- Pulmonary Disease
- Thinness
- Thrombophilia
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Werner syndrome

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