IGF2R monoclonal antibody, clone MEM-238 (FITC)

Catalog # MAB5071 Size 100 Reactions

Specification

Product Description	Mouse monoclonal antibody raised against recombinant IGF2R.
Immunogen	Recombinant protein corresponding to IGF2R.
Host	Mouse
Reactivity	Human, Primates
Specificity	This antibody recognizes an epitope between domains 2 and 5 of CD222 (IGF2 receptor), a ubiquito usly expressed 250 KDa multifunctional type I transmembrane protein.
Form	Liquid
Conjugation	FITC
Isotype	IgG1
Recommend Usage	Flow Cytometry (20 ul in human blood cells 100 ul in whole blood or 10^6 cells in a suspension) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.2% BSA, 0.09% sodium azide)
Storage Instruction	Store in the dark at 4°C. Do not freeze. Avoid prolonged exposure to light. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Flow Cytometry

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Gene Info — IGF2R

Entrez GeneID	3482
Gene Name	IGF2R
Gene Alias	CD222, CIMPR, M6P-R, MPR1, MPRI
Gene Description	insulin-like growth factor 2 receptor
Omim ID	147280
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a receptor for both, insulin-like growth factor 2 (IGF2) and ma nnose 6-phosphate (M6P). The IGF2 and M6P binding sites are located on different segments of the receptor. This receptor functions in the intracellular trafficking of lysosomal enzymes, the activa tion of transforming growth factor beta, and the degradation of IGF2. In mice, the homologous gen e is expressed only from the maternal chromosome. [provided by RefSeq
Other Designations	OTTHUMP00000017536|cation-independent mannose-6 phosphate receptor|insulin-like growth f actor-2 receptor (mannose-6-phosphate receptor, cation-independent)

Publication Reference

- Cell surface-expressed cation-independent mannose 6-phosphate receptor (CD222) binds enzymatically active heparanase independently of mannose 6-phosphate to promote extracellular matrix degradation.

  Wood RJ, Hulett MD.

  The Journal of Biological Chemistry 2007 Dec; 283(7):4165.

- Identification of the insulin-like growth factor II receptor as a novel receptor for binding and invasion by Listeria monocytogenes.

  Gasanov U, Koina C, Beagley KW, Aitken RJ, Hansbro PM.

  Infection and Immunity 2006 Jan; 74(1):566.

  Application: WB-Ce, Mouse, McCoy, MS9, MS9II cells

- The N terminus of mannose 6-phosphate/insulin-like growth factor 2 receptor in regulation of fibrinolysis and cell migration.

  Leksa V, Godar S, Cebecauer M, Hilgert I, Breuss J, Weidle UH, Horejsi V, Binder BR, Stockinger H.

  The Journal of Biological Chemistry 2002 Oct; 277(43):40575.

  Application: Flow Cyt, Mouse, Mouse fibroblasts

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Pathway

- Lysosome

Disease

- Adenocarcinoma
- Alzheimer disease
- Birth Weight
- Bone Neoplasms
- Brain Neoplasms
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Cardiovascular Diseases
- Celiac Disease
- Chorioamnionitis
- Diabetes Complications
- Diabetes Mellitus
- Esophageal Neoplasms
- Fetal Membranes
- Genetic Predisposition to Disease
- Insulin Resistance
- Kidney Failure
- Liver Neoplasms
- Lung Neoplasms
- Lymphoma

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Metabolic Syndrome X
- Mouth Neoplasms
- Neoplasms
- Obesity
- Obstetric Labor
- Osteoporosis
- Osteosarcoma
- Ovarian cancer
- Ovarian Failure
- Ovarian Neoplasms
- Pancreatic Neoplasms
- Polycystic Ovary Syndrome
- Pre-Eclampsia
- Premature Birth
- Prostatic Neoplasms
- Puberty
- Pulmonary Disease
- Stomach Neoplasms
- Thrombophilia
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Werner syndrome

Copyright © 2023 Abnova Corporation. All Rights Reserved.