CD38 monoclonal antibody, clone AT1

Catalog # MAB6909 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native CD38.
Immunogen	Native purified CD 38 from human T cell tumor cells: CEM.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM sodium phosphate buffer, 100 mM potassium Chloride, 150 mM NaCl, pH 7.5 (0.5 mg/mL gentamicin sulfate)
Storage Instruction	Store at 4°C.

Applications

- Immunohistochemistry (Frozen sections)
- Flow Cytometry
- Immunoprecipitation

Gene Info — CD38

Entrez GeneID	952
Gene Name	CD38

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Gene Alias	T10
Gene Description	CD38 molecule
Omim ID	107270
Gene Ontology	Hyperlink
Gene Summary	CD38 is a novel multifunctional ectoenzyme widely expressed in cells and tissues especially in leu kocytes. CD38 also functions in cell adhesion,signal transduction and calcium signaling. [provide d by RefSeq
Other Designations	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase|CD38 antigen|CD38 antigen (p45)|cyclic ADP-r ibose hydrolase

Publication Reference

- Human CD38 (ADP-ribosyl cyclase) is a counter-receptor of CD31, an Ig superfamily member.

  Deaglio S, Morra M, Mallone R, Ausiello CM, Prager E, Garbarino G, Dianzani U, Stockinger H, Malavasi F.

  The Journal of Immunology 1998 Jan; 160(1):395.

  Application: Binding assay, Human, SUPT-1 cells, HUVECs

Pathway

- Calcium signaling pathway
- Hematopoietic cell lineage
- Metabolic pathways
- Nicotinate and nicotinamide metabolism

Disease

- Cell Transformation
- Child Development Disorders
- Diabetes Mellitus
- Genetic Predisposition to Disease
- Leukemia

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- Lupus Erythematosus
- Lymphoma
- Osteoporosis

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