CD69 monoclonal antibody, clone HP-4B3

Catalog # MAB6920 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native CD69.
Immunogen	Native purified CD69 from IL-2 activated human NK cells.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG2a
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 — CD69

Entrez GeneID	969
Gene Name	CD69

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Gene Alias	CLEC2C
Gene Description	CD69 molecule
Omim ID	107273
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the calcium dependent lectin superfamily of type II transmembrane receptors. Expression of the encoded protein is induced upon activation of T lymphocytes, and may play a role in proliferation. Furthermore, the protein may act to transmit signals in natural killer cells and platelets. Alternative splicing results in multiple transcript variants
Other Designations	C-type lectin domain family 2, member C|CD69 antigen (p60, early T-cell activation antigen)

Publication Reference

- Characterization of distinct stages during the differentiation of human CD69+CD3+ thymocytes and identification of thymic emigrants.

  Vanhecke D, Leclercq G, Plum J, Vandekerckhove B.

  Journal of Immunology 1995 Aug; 155(4):1862.

  Application: Flow Cyt, Mouse, Mouse thymocytes

- The CD69 receptor: a multipurpose cell-surface trigger for hematopoietic cells.

  Testi R, D'Ambrosio D, De Maria R, Santoni A.

  Immunology Today 1994 Oct; 15(10):479.

  Application: Flow Cyt, Human, Mouse, Hematopoietic cells

- The activation antigen CD69.

  Ziegler SF, Ramsdell F, Alderson MR.

  Stem Cells 1994 Sep; 12(5):456.

  Application: Flow Cyt, Human, Mouse, B cells, Myeloid cells, Natural killer cells, Platelets, T cells, Thymocytes

Disease

- Addison Disease
- Arthritis
- Diabetes Mellitus
- Genetic Predisposition to Disease

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