CD7 monoclonal antibody, clone 3Ale

Catalog # MAB6897 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native CD7.
Immunogen	Native purified CD7 from human HSB2-T cells.
Host	Mouse
Reactivity	Human
Specificity	This antibody induces T cell transmembrane calcium flux.
Form	Liquid
Isotype	IgG2b
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 — CD7

Entrez GeneID	924

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Gene Name	CD7
Gene Alias	GP40, LEU-9, TP41, Tp40
Gene Description	CD7 molecule
Omim ID	186820
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a transmembrane protein which is a member of the immunoglobulin superfamily. This protein is found on thymocytes and mature T cells. It plays an essential role in T-cell interactions and also in T-cell/B-cell interaction during early lymphoid development. [provided by RefSeq
Other Designations	CD7 antigen|CD7 antigen (p41)|T-cell antigen CD7|T-cell leukemia antigen|p41 protein

Publication Reference

- Induction of T cell CD7 gene transcription by nonmitogenic ionomycin-induced transmembrane calcium flux.

  Ware RE, Hart MK, Haynes BF.

  Journal of Immunology 1991 Oct; 147(8):2787.

  Application: Flow Cyt, Human, Human T cells

- Characterization of the surface topography and putative tertiary structure of the human CD7 molecule.

  Ware RE, Scearce RM, Dietz MA, Starmer CF, Palker TJ, Haynes BF.

  Journal of Immunology 1989 Dec; 143(11):3632.

  Application: Blocking, IP, WB-Ce, Human, HSB cells, Synthetic peptides

Pathway

- Hematopoietic cell lineage

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