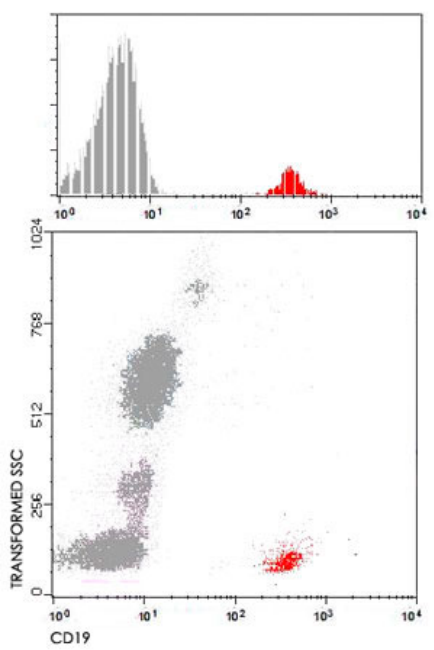
CD19 monoclonal antibody, clone A3-B1

Catalog # MAB4972 Size 100 ug

Applications



Flow Cytometry

Flow Cytometry using human peripheral blood cells (1 ug/10^6 cells).

FACSCalibur (Becton Dickinson, San Jose, CA) flow cytometer, using Cell Quest acquisition software and PAINT-A-GATE. PRO, analysis software.

Specification

Product Description	Mouse monoclonal antibody raised against CD19.
Immunogen	Human CD19 purified from tonsil.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG2a

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Recommend Usage	Flow Cytometry (20 uL/10^6 cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In buffer containing 1% BSA, pH 7.2 (0.09% sodium azide).
Storage Instruction	Store in the dark at 4°C. Avoid prolonged exposure to light.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry
- Immunofluorescence
- Flow Cytometry

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Gene Info — CD19

Entrez GeneID	930
Gene Name	CD19
Gene Alias	B4, MGC12802
Gene Description	CD19 molecule
Omim ID	107265
Gene Ontology	Hyperlink
Gene Summary	Lymphocytes proliferate and differentiate in response to various concentrations of different antige ns. The ability of the B cell to respond in a specific, yet sensitive manner to the various antigens is achieved with the use of low-affinity antigen receptors. This gene encodes a cell surface molecule which assembles with the antigen receptor of B lymphocytes in order to decrease the threshold fo r antigen receptor-dependent stimulation. [provided by RefSeq
Other Designations	B-lymphocyte antigen CD19|CD19 antigen

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Publication Reference

- Bone marrow stroma-derived prolactin is involved in basal and platelet-activating factor-stimulated in vitro erythropoiesis.

  Bellone G, Astarita P, Artusio E, Silvestri S, Mareschi K, Turletti A, Buttiglieri S, Emanuelli G, Matera L.

  Blood 1997 Jul; 90(1):21.

Pathway

- B cell receptor signaling pathway
- Hematopoietic cell lineage
- Primary immunodeficiency

Disease

- Arthritis
- Crohn Disease
- Genetic Predisposition to Disease
- Lupus Erythematosus
- Pemphigus
- Scleroderma

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