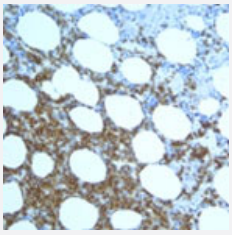
CD19 monoclonal antibody, clone BT51E.

Catalog # MAB9625 Size

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining for paraffin-embedded human bone marrow section using CD19 monoclonal antibody, clone BT51E. (Cat # MAB9625). Note membrane staining of B cells.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant CD19.
Immunogen	Recombinant protein corresponding to C-terminus of human CD19.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG2b
Recommend Usage	Immunohistochemistry (1:50) Western Blot (1:50-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In tissue culture supernatant (0.09% sodium azide)
Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining for paraffin-embedded human bone marrow section using CD19 monoclonal antibody, clone BT51E. (Cat # MAB9625). Note membrane staining of B cells.

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

Publication Reference

- Single-Cell Analyses Identify Brain Mural Cells Expressing CD19 as Potential Off-Tumor Targets for CAR-T Immunotherapies.

  Kevin R Parker, Denis Migliorini, Eric Perkey, Kathryn E Yost, Aparna Bhaduri, Puneet Bagga, Mohammad Haris, Neil E Wilson, Fang Liu, Khatuna Gabunia, John Scholler, Thomas J Montine, Vijay G Bhoj, Ravinder Reddy, Suyash Mohan, Ivan Maillard, Arnold R Kriegstein, Carl H June, Howard Y Chang, Avery D Posey Jr, Ansuman T Satpathy.

  Cell 2020 Oct; 183(1):126.

  Application : IHC-P, Human, Human brain

Pathway

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

Disease

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