
CD20 (HI47) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 250952

Unit: 0.1 mg

Description:

The CD20 (HI47) antibody recognizes a 33-37 kDa type-III non-glycosylated phosphoprotein spanning the cell membrane four times therefore called TM4. CD20 antigen is expressed on pre-B cells, resting/activated B cells and corresponding neoplastic B cells, but is absent from plasma cells. CD20 regulates B lymphocyte activation and proliferation. The antibody also reacts with several dendritic, endothelial, epithelial, activated T cells and macrophages. The antibody stains 8-16% of normal peripheral blood lymphocytes. The CD20 (HI47) Antibody inhibits B lymphocyte activation and proliferation.

Isotype: Mouse IgG3

Applications: B, E, FC, IHC

Species Reactivity: H

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: B-lymphocyte antigen CD20; Membrane-spanning 4-domains subfamily A member 1; B-lymphocyte surface antigen B1; Leu-16; Bp35; MS4A1; CD20

Accession No.: P11836

Application Notes: Purified antibody is suitable for immunohistochemistry with acetone-fixed frozen sections. E: 1:500-1:1,000; FC: 1:200-1:1,000; IHC: 1:200-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

Product Citations: [1] Yang XF et al. 1990. Shanghai J. of Immunology. 10(2):65. [2] Yang XF et al. 1991 Chinese J. Immunology. 7(1): 21. [3] Knapp W et al. Eds. 1989. Leucocyte Typing IV: White Cell Differentiation Antigens. P:798, 1078, Oxford University Press, New York. [4] Schlossman S et al. eds. 1995. Leucocyte Typing V: White Cell Differentiation Antigens. P:491, 505, 2003 Oxford University Press, New York.

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