
CD52 (HI186) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 250971

Unit: 0.1 mg

Description:

The CD52 (HI186) antibody recognizes a 25-29 kDa glycosylphosphatidylinositol (GPI)-anchored single chain glycoprotein typically expressed at high levels on thymocytes, lymphocytes, NK cells, monocytes/macrophages. CD52 is expressed at 2% on some granulocytes and epithelial cells of male reproductive tract, and also expressed at variable levels on the majority of lymphoid malignancies, but not on erythrocytes and platelets. A somatic defect in the synthesis of GPI anchors causes a lack of CD52 antigen on cell surface on lymphocytes from patients with paroxysmal nocturnal haemoglobinuria (PNH). CD52 may be used to diagnose PNH besides CD55 and CD59. All CD52 antibodies are characterized by a strong lytic activity with human complement, irrespective of antibody isotype.

Isotype: Mouse IgG2b

Applications: 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: CD52; CAMPATH-1 antigen; Cambridge pathology 1 antigen; Epididymal secretory protein E5; CDw52

Accession No.: P31358

Application Notes: Purified antibody is suitable for immunohistochemistry with acetone-fixed frozen and formalin-fixed paraffin 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: Tadamitsu K et al. eds. 1997. Leucocyte Typing VI: White Cell Differentiation Antigens. P49-52, 113-114 Garland Publishing Inc. New York.

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