CD5 Antibody B-B8 / Lymphocyte Marker Antibody [clone B-B8] (V2960)

Catalog No.	Formulation	Size
V2960-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2960-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2960SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Citations (3)

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	B-B8
Purity	Protein G affinity chromatography
UniProt	P06127
Localization	Cell surface
Applications	Flow cytometry: 0.5-1ug/10^6 cells Immunofluorescence: 0.5-1ug/ml
Limitations	This CD5 Antibody B-B8 / Lymphocyte Marker Antibody is available for research use only.



Description

CD5 (CD5) is a transmembrane glycoprotein of the scavenger receptor cysteine-rich (SRCR) superfamily, expressed on the surface of T lymphocytes and a subset of B cells. CD5 Antibody B-B8 - Lymphocyte Marker Antibody is used to detect CD5 as a marker of lymphocyte populations in immune system research. CD5 antibody, also known as T cell surface glycoprotein CD5 antibody or LEU1 antibody, is widely used to identify T cells and characterize lymphoid tissues across a variety of experimental contexts.

CD5 is consistently expressed on mature T cells and plays an important role in regulating immune responses through modulation of antigen receptor signaling. Its expression on a subset of B cells further expands its utility as a marker for identifying specific lymphocyte populations. Clone B-B8 antibody enables detection of CD5 across these cell types, supporting studies of lymphocyte distribution, immune system organization, and cellular composition within tissues and cell populations.

Because CD5 is associated with both normal immune function and disease states, CD5 antibody clone B-B8 is frequently used in research focused on hematologic malignancies. CD5 expression is a defining feature of certain B cell disorders, including chronic lymphocytic leukemia and mantle cell lymphoma, and is also widely used to identify T cell populations in lymphoma studies. Detection of CD5 using clone B-B8 antibody supports investigation of these disease-associated populations and contributes to understanding immune dysregulation and tumor biology.

In addition to its role in disease research, CD5 is an important marker for studying immune cell development and differentiation. Its expression pattern provides insight into lineage relationships and functional states of lymphocytes. CD5 antibody clone B-B8 supports these studies by enabling consistent detection of CD5 across experimental systems, including cell-based assays and protein analysis workflows.

This mouse monoclonal antibody clone B-B8 has been referenced in scientific literature, supporting its use in research applications. While it has fewer publications compared to some other CD5 clones, its demonstrated ability to detect CD5 makes it a useful tool for studies of lymphocyte biology and immune system organization. Its performance supports reliable identification of CD5-positive populations in a range of experimental settings.

Because CD5 is a fundamental marker of lymphocyte identity, CD5 antibody clone B-B8 is well suited for studies of immune cell composition, lymphoid tissue structure, and disease-associated changes in lymphocyte populations. Its consistent detection of CD5 supports its use in both basic research and exploratory studies focused on immune function and pathology.

For additional CD5 research, explore our CD5 Antibody CD5/2416, a mouse monoclonal antibody with HuProt protein microarray specificity validation and supporting Western blot, IHC, and flow cytometry data.

Application Notes

1. Optimal dilution of the CD5 Antibody B-B8 / Lymphocyte Marker Antibody should be determined by the researcher.

2. This mAb is not suitable for use with frozen tissue samples.

Immunogen

T cells activated with PHA were used as the immunogen for the CD5 Antibody Clone B-B8 / Lymphocyte Marker Antibody.

Storage

Store the CD5 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

CD5 clone B-B8 antibody, CD5 B-B8 antibody, CD5 monoclonal antibody B-B8, CD5 lymphocyte marker antibody, CD5 immune cell marker antibody

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