

Datasheet for ABIN3026491
anti-CD5 antibody



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1 Image

Overview

Quantity:	100 µg
Target:	CD5
Reactivity:	Human, Rhesus Monkey
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD5 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Functional Studies (Func)

Product Details

Immunogen:	Stimulated human leukocytes were used as the immunogen for this CD5 antibody.
Clone:	CRIS-1
Isotype:	IgG2a kappa
Characteristics:	This antibody recognizes a 67 kDa transmembrane protein, which is identified as CD5. It is found on 95 % of thymocytes and 72 % of peripheral blood lymphocytes. In lymph nodes, the main reactivity is observed in Tcell areas. CD5 antibody is a pan Tcell marker that also reacts with a range of neoplastic Bcells, e.g. chronic lymphocytic leukemia/small lymphocytic lymphoma (CLL/SLL), mantle cell lymphoma, and a subset (~10 %) of diffuse large Bcell lymphoma. Aberrant expression is useful in making a diagnosis of mature Tcell neoplasms. CD5 antibody detection is diagnostic in CLL/SLL within a panel of other Bcell markers, especially one that includes anti-CD23. CD5 antibody is also very useful in differentiating among mature small lymphoid cell malignancies. In addition, it can be used in distinguishing thymic carcinoma (+) from thymoma (-). It does not react with granulocytes or monocytes.

Product Details

Purification: Protein G affinity chromatography

Target Details

Target: CD5

Alternative Name: CD5 ([CD5 Products](#))

Background: This antibody recognizes a 67 kDa transmembrane protein, which is identified as CD5. It is found on 95 % of thymocytes and 72 % of peripheral blood lymphocytes. In lymph nodes, the main reactivity is observed in Tcell areas. CD5 antibody is a pan Tcell marker that also reacts with a range of neoplastic Bcells, e.g. chronic lymphocytic leukemia/small lymphocytic lymphoma (CLL/SLL), mantle cell lymphoma, and a subset (~10 %) of diffuse large Bcell lymphoma. Aberrant expression is useful in making a diagnosis of mature Tcell neoplasms. CD5 antibody detection is diagnostic in CLL/SLL within a panel of other Bcell markers, especially one that includes anti-CD23. CD5 antibody is also very useful in differentiating among mature small lymphoid cell malignancies. In addition, it can be used in distinguishing thymic carcinoma (+) from thymoma (-). It does not react with granulocytes or monocytes.

Gene ID: 921

Application Details

Application Notes: The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the CD5 antibody to be titrated up or down for optimal performance.\. Functional Testing: order BSA/azide-free format,FACS: 0.5-1 µg/million cells,IF: 0.5-1 µg/mL

Restrictions: For Research Use only

Handling

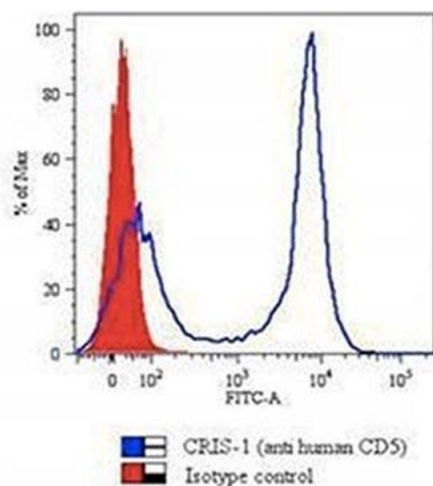
Concentration: 1 mg/mL

Buffer: 1 mg/mL in 1X PBS, BSA free, sodium azide free

Preservative: Azide free

Storage: 4 °C,-20 °C

Storage Comment: Store the CD5 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).



Flow Cytometry

Image 1. FACS staining of human PBMCs using CD5 antibody (CRIS-1).