

CD5 Antibody [clone CRIS-1] (V2038)

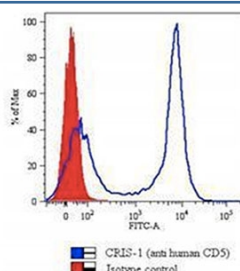
Catalog No.	Formulation	Size
V2038-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2038-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2038SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug



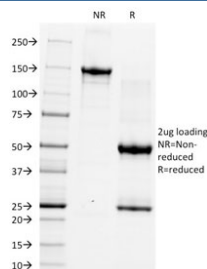
Citations (5)

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Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	CRIS-1
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	921
Localization	Cell surface
Applications	Flow Cytometry : 0.5-1ug/10 ⁶ cells Immunofluorescence : 0.5-1ug/ml Functional Studies (order BSA/sodium Azide-free Format) : Immunoprecipitation (0.5-1ug/500ug Protein Lysate) :
Limitations	This CD5 antibody is available for research use only.



FACS staining of human PBM cells using CD5 antibody (clone CRIS-1).



SDS-PAGE analysis of purified, BSA-free CD5 antibody (clone CRIS-1) as confirmation of integrity and purity.

Description

This antibody recognizes a 67kDa 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.

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.

Immunogen

Stimulated human leukocytes were used as the immunogen for this CD5 antibody.

Storage

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

Alternate Names

LEU1, Ly12, LyA, Lymphocyte antigen T1/Leu-1, Lymphocyte glycoprotein T1/Leu1

References (4)