

## CD5 Antibody [clone CRIS-1] (V2038)

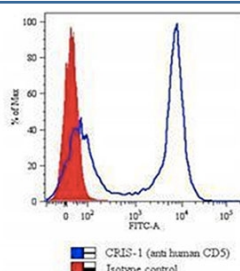
Catalog No.	Formulation	Size
V2038-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2038-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2038SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug



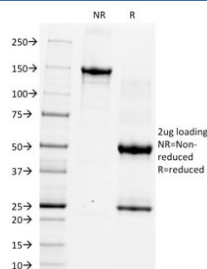
Citations (5)

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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 <sup>6</sup> cells Immunofluorescence : 0.5-1ug/ml Functional Studies (order BSA/sodium Azide-free Format) : Immunoprecipitation (0.5-1ug/500ug Protein Lysate) :
Limitations	This <b>CD5 antibody</b> 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)