

CD5 Monoclonal Antibody (CRIS1)

Catalog Number      MA1-19438

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human
Host/Isotope	Mouse / IgG2a	Tested Applications	Dilution *
Class	Monoclonal		
Type	Antibody		
Clone	CRIS1		
Immunogen	Stimulated human leukocytes.		
Conjugate	Unconjugated		
Form	Liquid	ELISA (ELISA)	Assay-dependent
Concentration	1 mg/mL	Flow Cytometry (Flow)	1 µg/mL
Purification	Protein A	Immunohistochemistry (Frozen) (IHC (F))	Assay-dependent
Storage buffer	PBS, pH 7.4	Immunoprecipitation (IP)	Assay-dependent
Contains	15mM sodium azide	Western Blot (WB)	1-2 µg/mL
Storage Conditions	4° C, do not freeze	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	

Product specific information

This antibody can be used as a detection antibody in a Sandwich ELISA with capture antibody MA1-19076. Western Blot: non-reducing conditions.

Background/Target Information

CD5 is a 67 kDa human T-lymphocyte single-chain transmembrane glycoprotein. CD5 is present on all mature T-lymphocytes, on most of thymocytes and on many T-cell leukemias and lymphomas. CD5 also reacts with a subpopulation of activated B-cells and may act as a receptor in regulating T-cell proliferation. CD5 is found on 95% of thymocytes and 72% of peripheral blood lymphocytes. In lymph nodes, the main reactivity is observed in T cell areas. CD5 is expressed by many T cell leukemia, lymphomas, and activated T cells. Diseases associated with CD5 dysfunction include thymus cancer and Richter's Syndrome.

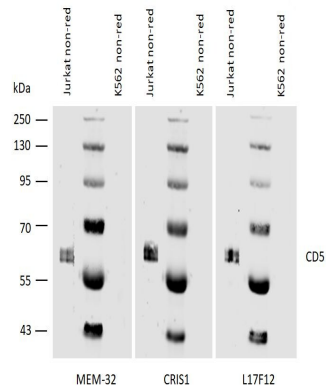
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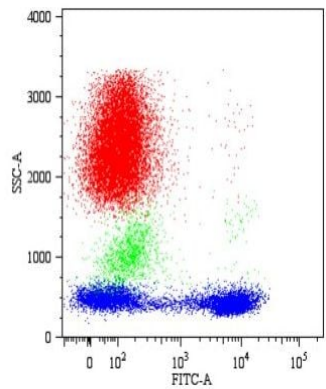
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Product Images For CD5 Monoclonal Antibody (CRIS1)



CD5 Antibody (MA1-19438) in WB

Western blotting analysis of human CD5 using mouse monoclonal antibodies MEM-32, CRIS1, and L17F12 on laurylmaltoside lysates of Jurkat cells and of K562 cells (negative control) under non-reducing conditions. Nitrocellulose membrane was probed with 2 µg/mL of mouse anti-CD5 monoclonal antibody (Product # MA1-19438) followed by IRDye800-conjugated anti-mouse secondary antibody. CD5 was detected at approximately 62 kDa.



CD5 Antibody (MA1-19438) in Flow

Flow cytometry analysis of human peripheral blood lymphocytes (PBL) stained with anti-human CD5 (CRIS1) Monoclonal antibody (Product # MA1-19438) (blue; dilution of purified antibody 1 µg/mL); overlay with mouse IgG2a isotype control (red).

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