

CD25 Monoclonal Antibody (BC96), PE

Catalog NumberA18678

Product data sheet

Details		Species Reactivity	
Size	25 tests	Species reactivity	Human
Host/Isotope	Mouse / IgG1, kappa	Published species	Human
Class	Monoclonal	Tested Applications	Dilution *
Type	Antibody	Flow Cytometry (Flow)	0.06 µg/test
Clone	BC96	Published Applications	
Immunogen	Human IL2RA.	Miscellaneous PubMed (Misc)	See 1 publications below
Conjugate	PE	* 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.	
Form	Liquid		
Concentration	12 µg/mL		
Storage Conditions	4° C		

Background/Target Information

CD25 (IL2 receptor alpha chain/IL2RA) is a cytokine that plays a role in the proliferation of T and B lymphocytes. The receptor of this cytokine (IL2RA) is a heterotrimeric protein complex with a gamma chain also shared by interleukin 4 (IL4) and interleukin 7 (IL7). IL2RA, IL2R beta chain (IL2RB), and the IL2R gamma chain (IL2RG), constitute the high-affinity IL2 receptor. Homodimeric IL2RA chains result in low-affinity receptor, while homodimeric IL2RB chains produce a medium-affinity receptor. The expression of IL2 in mature thymocytes is monoallelic, which represents an unusual regulatory mode for controlling the precise expression of a single gene. IL2 is primarily produced by mature T cells. IL2 plays an important role as a growth factor, differentiation factor, and regulator of cell death. IL-2 stimulates the proliferation of B cells, augments natural killer cell activity, and inhibits granulocyte macrophage colony formation. The targeted disruption of a similar gene in mice leads to ulcerative colitis-like disease, which suggests a role in the immune response to antigenic stimuli. Mutations in this gene are associated with interleukin 2 receptor alpha deficiency.

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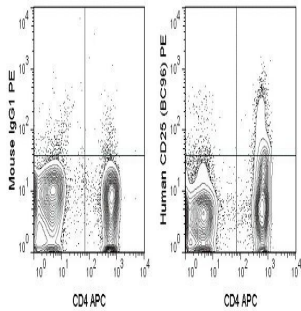
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CD25 Antibody (A18678) in Flow

Human peripheral blood lymphocytes were stained with 5 μ L (0.06 μ g) PE Anti-Human CD25 (A18678) (solid line) or 0.06 μ g PE Mouse IgG1 isotype control.



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PubMed References For CD25 Monoclonal Antibody (BC96), PE

1 Miscellaneous PubMed References

Species / Dilution	Summary
Human / Not Cited	A18678 was used in flow cytometry to examine the effects of pantethine on membrane lipid rafts.
	Journal of cellular physiology (2015; 230: 2415) "Pantethine Alters Lipid Composition and Cholesterol Content of Membrane Rafts, With Down-Regulation of CXCL12-Induced T Cell Migration." Author(s):van Gijssel-Bonnello M,Acar N,Molino Y,Bretillon L,Khrestchatisky M,de Reggi M,Gharib B PubMed Article URL: http://dx.doi.org/10.1002/jcp.24971

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