

CD122 Monoclonal Antibody (5H4), PE

Catalog NumberA16397

Product data sheet

Details		Species Reactivity	
Size	50 µg	Species reactivity	Mouse
Host/Isotope	Rat / IgG2a, kappa	Tested Applications	
Class	Monoclonal	Dilution *	
Type	Antibody	Flow Cytometry (Flow)	Assay-dependent
Clone	5H4	* 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.	
Immunogen	Mouse CD122 Protein		
Conjugate	PE		
Form	Liquid		
Concentration	0.2 mg/mL		
Storage Conditions	4° C		

Background/Target Information

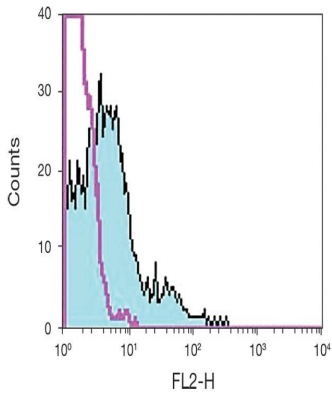
CD122 (Interleukin 2 receptor) is involved in T cell-mediated immune responses, primarily expressed in the hematopoietic system and is present in 3 forms. The low affinity form of CD122 is a monomer of the alpha subunit and is not involved in signal transduction. The intermediate affinity form consists of an alpha/beta subunit heterodimer, while the high affinity form consists of an alpha/beta/gamma subunit heterotrimer. Both the intermediate and high affinity forms of the receptor are involved in receptor-mediated endocytosis and transduction of mitogenic signals from CD122. The protein encoded by the CD122 gene represents the beta subunit and is a type I membrane protein. Diseases associate with CD122 protein dysfunction include oligoarticular juvenile idiopathic arthritis and rheumatoid factor negative juvenile idiopathic arthritis.

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CD122 Antibody (A16397) in Flow

Staining of BALB/c splenocytes with staining buffer (autofluorescence) (open histogram) or 0.125 µg of Anti-Mouse CD122 PE (filled histogram, A16397). Total viable cells were used for analysis.

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