

IL-4 Monoclonal Antibody (8D4-8), PE

Catalog NumberA18491

Product data sheet

Details		Species Reactivity	
Size	25 tests	Species reactivity	Human
Host/Isotope	Mouse / IgG1, kappa	Tested Applications	
Class	Monoclonal	Dilution *	
Type	Antibody	Flow Cytometry (Flow)	Assay-dependent
Clone	8D4-8	* 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	human interleukin 4		
Conjugate	PE		
Form	Liquid		
Concentration	25 µg/mL		
Storage Conditions	4° C		

Background/Target Information

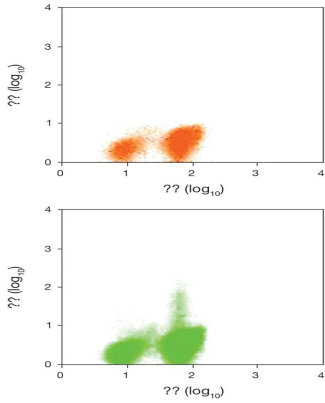
Interleukin-4 (IL-4) is a pleiotropic, immune-modulatory cytokine produced by activated T cells, and serves as a ligand for interleukin 4 receptor. IL-4 has been found to have the broadest range of actions. The interleukin 4 receptor also binds to IL13, which may contribute to many overlapping functions of this cytokine and IL13. STAT6, a signal transducer and activator of transcription, has been shown to play an important role in mediating the immune regulatory signal of IL-4. The IL-4 gene, IL-3, IL-5, IL-13, and CSF2 form a cytokine gene cluster on chromosome 5q. In particular, IL-4 is located in close proximity to IL13 on the chromosome. Further, the IL-4 gene, IL13 and IL5 are found to be coordinated by several long-range regulatory elements over a 120 kilobase range on the chromosome. IL-4 delta 2 is a known splice variant of IL-4.

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IL-4 Antibody (A18491) in Flow

Normal human peripheral blood cells were stimulated with PMA and Ionomycin in the presence of brefeldin A for 6 hours. The cells were surface stained with Anti-Human CD3 FITC and intracellularly stained with Anti-Human IL-4 PE (bottom panel, A18491). top panel demonstrates unlabelled antibody blocking control.

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