

IL4

Mouse Anti-Human IL-4 Clone B-R14 Azide Free mAb

Catalog No.	CDM104	Quantity:	500 µg
Alternate Names:	Interleukin-4, B cell growth factor, BCGF-1, BCGF1, BSF-1, BSF1		
Description:	<p>Mouse Anti-Human IL-4 Clone B-R14 Azide Free mAb</p> <p>Background: Interleukin 4 is a pleiotropic cytokine produced by activated T cells. This cytokine is a ligand for interleukin 4 receptor. 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 a central role in mediating the immune regulatory signal of this cytokine. This gene, IL3, IL5, IL13, and CSF2 form a cytokine gene cluster on chromosome 5q, with this gene particularly close to IL13. This gene, IL13 and IL5 are found to be regulated coordinately by several long-range regulatory elements in an over 120 kilobase range on the chromosome. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.</p>		
Concentration:	500 µg / 500 µl		
Gene ID:	3565		
Specificity:	Recognizes both natural and recombinant human IL-4		
Host:	Mouse		
Immunogen:	Recombinant human IL-4		
Isotype:	IgG1κ		
Clone:	B-R14		
Hybridoma:	Myeloma X63/AG.8653 x BALB/c spleen cells		
Formulation:	Phosphate-buffered saline. Sterile-filtered through 0.22 µm. Carrier and preservative free.		
Purification:	Ion exchange chromatography		
Applications:	ELISA, ELISPOT		
Application Notes:	<p>ELISA: This antibody can be used as Capture Antibody in a human IL-4 sandwich immunoassay to detect human IL-4 in combination with biotinylated human IL-4 Detection Antibody (Cat No CDM425).</p> <p>Suggested concentration range for ELISA Capture Antibody:</p> <p>ELISA: 0.05-0.5 µg/ml</p> <p>ELISPOT: 5-10 µg/ml</p> <p>The optimal concentration should be determined by the user for each specific application.</p>		
Storage & Stability:	Stable at 2-8°C for 12 months. For longer storage, freeze aliquots. Avoid repeated freeze-thaw cycles.		

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