

## IL13

### Mouse Anti-Human IL-13 Clone B-B13 FITC mAb

<b>Catalog No.</b>	CMI240	<b>Quantity:</b>	50 µg
<b>Alternate Names:</b>	ALRH, BHR1, P600, IL-13		
<b>Description:</b>	FITC-conjugated Mouse Monoclonal Antibody against IL-13, Clone B-B13. IL-13 is an immunoregulatory cytokine produced primarily by activated Th2 cells. This cytokine is involved in several stages of B-cell maturation and differentiation. It up-regulates CD23 and MHC class II expression, and promotes IgE isotype switching of B cells. This cytokine down-regulates macrophage activity, thereby inhibiting the production of pro-inflammatory cytokines and chemokines. IL-13 is critical to the pathogenesis of allergen-induced asthma but operates through mechanisms independent of IgE and eosinophils. This antibody was produced <i>in vitro</i> using serum free medium.		
<b>Gene ID:</b>	3596		
<b>Specificity:</b>	Recognizes both recombinant and natural human IL-13.		
<b>Sterility:</b>	Membrane filtered (0.2 µm).		
<b>Quantitation:</b>	Antibody concentration was determined by absorbance, taking A280=1.4 for a 1 mg/ml solution.		
<b>Isotype:</b>	Mouse IgG1		
<b>Clone:</b>	B-B13		
<b>Conjugate:</b>	FITC		
<b>Formulation:</b>	Lyophilized from a solution of 0.5 ml PBS + 1% BSA + 125 mM trehalose		
<b>Purification:</b>	Ion exchange chromatography.		
<b>Reconstitution:</b>	Dissolve the contents of the vial by injection of 0.5 ml sterile distilled water.		
<b>Applications:</b>	Flow cytometry		
<b>Working conc.:</b>	1 to 2 µl per 10 <sup>6</sup> peripheral blood mononuclear cells (minimal 250 tests)		
<b>Storage &amp; Stability:</b>	Lyophilized product is stable for at least one year at 4°C (expiration date is indicated on the vial). After reconstitution, the contents can be safely stored at 4°C for one month or for one year at -20°C. Add 0.02% sodium azide to prevent bacterial growth. <b>Precaution:</b> Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		

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