



## IL-4 Antibody [11B11] (PE)

CATALOG NUMBER: 77-062

### Specifications

<b>SPECIES REACTIVITY:</b>	Mouse
<b>TESTED APPLICATIONS:</b>	FACS
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher.
<b>SPECIFICITY:</b>	The 11B11 monoclonal antibody specifically reacts with mouse 14 kDa cytokine IL-4, expressed by the activated NKT cells and mast cells.
<b>HOST SPECIES:</b>	Rat

### Properties

<b>PURIFICATION:</b>	The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.
<b>PHYSICAL STATE:</b>	liquid
<b>BUFFER:</b>	Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, pH7.2.
<b>CONCENTRATION:</b>	0.2 mg/mL
<b>STORAGE CONDITIONS:</b>	The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze.
<b>CLONALITY:</b>	Monoclonal
<b>ISOTYPE:</b>	Rat IgG1, kappa
<b>CONJUGATE:</b>	PE

### Additional Info

<b>ALTERNATE NAMES:</b>	Il-4, BSF-1, Il4
<b>OFFICIAL SYMBOL:</b>	Il4
<b>GENE ID:</b>	16189

### Background

<b>BACKGROUND:</b>	The 11B11 monoclonal antibody specifically reacts with mouse 14 kDa cytokine IL-4, expressed by the activated NKT cells and mast cells. IL-4 is species-specific and stimulates the proliferation and differentiation of B lymphocytes. It upregulates the expression of IgE receptors and class II MHC antigen. The 11B11 antibody neutralizes the IL-4 cytokine.
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**FOR RESEARCH USE ONLY**

December 13, 2016