# Elab Fluor®700 Anti-Mouse IL-4 Antibody[11B11]

**Catalog Number:** E-AB-F1204UM1

**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

## Description

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| **Reactivity** | Mouse |
| **Host** | Rat |
| **Isotype** | Rat IgG1, κ |
| **Clone No.** | 11B11 |
| **Isotype Control** | Elab Fluor®700 Rat IgG1, κ Isotype Control[HRPN] [Product E-AB-F09823M1] |
| **Conjugation** | Elab Fluor®700 |
| **Conjugation Information** | Elab Fluor® 700 is designed to be excited by the Red laser (627-640 nm) and detected using an optical filter centered near 719 nm (e.g., a 725/40 nm bandpass filter). |
| **Storage Buffer** | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA. |

| Applications | Recommended usage |
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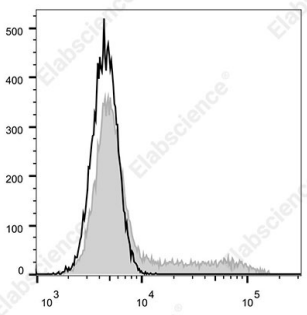
| **FCM** | Each lot of this antibody is quality control tested by flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1 μg/$10^6$ cells in 100 μL volume]. |

## Data




Intracellular staining of the 293T cells transfected with pcDNA3.1 plasmid encoding Mouse IL-4 gene with Elab Fluor®700 Anti-Mouse IL-4 Antibody[11B11](filled gray histogram) or Elab Fluor®700 Rat IgG1, κ Isotype Control(empty black histogram). Total viable cells were used for analysis.

## Preparation & Storage

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| **Storage** | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze. |
| **Shipping** | Ice bag |

## Antigen Information

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| **Alternate Names** | B-cell IgG differentiation factor;B-cell growth factor 1;BSF-1;IGG1 induction factor;IL-4; Interleukin-4 |

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| **Uniprot ID** | P07750 |
| **Gene ID** | 16189 |
| **Background** | IL-4 is a pleiotropic cytokine produced by activated T cells, mast cells, and basophils. IL-4 is a potent lymphoid cell growth factor which stimulates the growth and activation of certain B cells and T cells. IL-4 is important for regulation of T helper subset development. |