

ARG23359 anti-IL4 antibody [B-S4] (low endotoxin)

Package: 250 µl
Store at: -20°C

Summary

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| Product Description | Azide free and low endotoxin Mouse Monoclonal antibody [B-S4] recognizes IL4 |
| Tested Reactivity | Hu |
| Tested Application | FuncSt |
| Specificity | This antibody recognizes both natural and recombinant human IL-4. |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone | B-S4 |
| Isotype | IgG1 |
| Target Name | IL4 |
| Species | Human |
| Immunogen | Recombinant human IL-4 |
| Conjugation | Un-conjugated |
| Alternate Names | BSF-1; IL-4; B-cell stimulatory factor 1; BCGF1; Lymphocyte stimulatory factor 1; BCGF-1; Interleukin-4; Pitakinra; Binetrakin; BSF1 |

Application Instructions

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|-------------------|--|-----------------|
| Application table | Application | Dilution |
| | FuncSt | Assay-dependent |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |

Properties

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| Form | Liquid |
| Purification Note | Sterile-filtered through 0.22 µm and treated to remove endotoxins. |
| Buffer | PBS |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

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| Gene Symbol | IL4 |
| Gene Full Name | interleukin 4 |
| Background | The protein encoded by this gene 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. [provided by RefSeq, Jul 2008] |
| Function | Participates in at least several B-cell activation processes as well as of other cell types. It is a costimulator of DNA-synthesis. It induces the expression of class II MHC molecules on resting B-cells. It enhances both secretion and cell surface expression of IgE and IgG1. It also regulates the expression of the low affinity Fc receptor for IgE (CD23) on both lymphocytes and monocytes. [UniProt] |
| Calculated Mw | 17 kDa |