

ARG23328 anti-IL13 Receptor alpha 1 antibody [B-K19] (azide free)

Package: 100 µl
Store at: -20°C

Summary

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| Product Description | Azide free Mouse Monoclonal antibody [B-K19] recognizes IL13 Receptor alpha 1 |
| Tested Reactivity | Hu |
| Tested Application | IHC-P |
| Specificity | This antibody recognizes the IL-13 receptor α1 (IL-13 Ra1). |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone | B-K19 |
| Isotype | IgG1 |
| Target Name | IL13 Receptor alpha 1 |
| Species | Human |
| Immunogen | IL-13Ra1 transfected CHO cell line |
| Conjugation | Un-conjugated |
| Alternate Names | CD antigen CD213a1; Interleukin-13 receptor subunit alpha-1; CD213A1; IL-13R-alpha-1; CT19; IL-13R subunit alpha-1; IL-13Ra; IL-13 receptor subunit alpha-1; IL-13RA1; Cancer/testis antigen 19; NR4 |

Application Instructions

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| Application table | Application | Dilution |
| | IHC-P | Assay-dependent |
| Application Note | FACS: Use 10 µl to label 10 ⁶ cells or 100 µl of whole blood. * 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. |
| 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 | IL13RA1 |
| Gene Full Name | interleukin 13 receptor, alpha 1 |
| Background | The protein encoded by this gene is a subunit of the interleukin 13 receptor. This subunit forms a receptor complex with IL4 receptor alpha, a subunit shared by IL13 and IL4 receptors. This subunit serves as a primary IL13-binding subunit of the IL13 receptor, and may also be a component of IL4 receptors. This protein has been shown to bind tyrosine kinase TYK2, and thus may mediate the signaling processes that lead to the activation of JAK1, STAT3 and STAT6 induced by IL13 and IL4. [provided by RefSeq, Jul 2008] |
| Function | Binds with low affinity to interleukin-13 (IL13). Together with IL4RA can form a functional receptor for IL13. Also serves as an alternate accessory protein to the common cytokine receptor gamma chain for interleukin-4 (IL4) signaling, but cannot replace the function of IL2RG in allowing enhanced interleukin-2 (IL2) binding activity. [UniProt] |
| Calculated Mw | 49 kDa |