

Anti-Interleukin-4 IL4 Antibody Picoband® Cy3 Conjugated

Catalog Number: PA1749-Cy3

About IL4

Interleukin-4 (IL-4), also known as a B-cell stimulatory factor 1 (BSF1), is an immunomodulatory cytokine, which can inhibit the growth of tumour cells. The human cDNA contains a single open reading frame encoding a protein of 153 amino acids, including a putative signal peptide. IL-4 may act as an autocrine growth factor in pancreatic cancer cells and also give rise to the possibility that cancer-derived IL-4 may suppress cancer-directed immunosurveillance in vivo in addition to its growth-promoting effects, thereby facilitating pancreatic tumor growth and metastasis. The mouse and human genes and their protein products show structural and functional similarities. The human IL-4 gene, which occurs as a single copy in the haploid genome, is mapped on chromosome 5. The standard product used in this kit is recombinant human IL-4, consisting of 130 amino acids with the molecular mass of 14KDa.

Overview

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| Product Name | Anti-Interleukin-4 IL4 Antibody Picoband® Cy3 Conjugated |
| Reactive Species | Human |
| Application | Recommended applications are based on the parent unconjugated antibody (IHC, WB). Customers may select suitable applications according to their experimental needs. |
| Clonality | Polyclonal |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light. |
| Host | Rabbit |
| Uniprot ID | P05112 |

Technical Details

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| Immunogen | A synthetic peptide corresponding to a sequence in the middle region of human IL-4. |
| Cross Reactivity | No cross-reactivity with other proteins |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | Cy3 Excitation Wavelength: 554 nm Emission Wavelength: 568 nm |

Suggested Dilutions

Optimal dilutions should be determined by end users.

7 Publications Citing This Product

1. PubMed ID: 10.1016/j.humpath.2018.04.007, IL-13 is produced by tumor cells in breast implant-associated anaplastic large cell lymphoma: implications for pathogenesis
2. PubMed ID: 23065188, Wang Yz, Feng Xg, Shi Qg, Hao Yl, Yang Y, Zhang Am, Kong Qx. Inflammation. 2013 Apr;36(2):337-45. Doi: 10.1007/S10753-012-9551-5. Silencing Of Mir155 Promotes The Production Of Inflammatory Mediators In Guillain-Barr?? Syndrome In Vitro.
3. PubMed ID: 23011634, Tan Y, Liu H, Yang H, Wang L, Qin X. J Physiol Sci. 2013 Jan;63(1):63-9. Doi: 10.1007/S12576-012-0231-X. Epub 2012 Sep 26. An Inactivated Pseudomonas Aeruginosa Medicament Inhibits Airway Allergic Inflammation And Improves Epithelial Functions.

Visit bosterbio.com/anti-il-4-antibody-pa1749-boster.html to see all 7 publications.

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