

Anti-Interleukin-10 IL10 Antibody Picoband® PE Conjugated

Catalog Number: RP1015-PE

About IL10

Interleukin-10 (IL-10 or IL10), also known as human cytokine synthesis inhibitory factor (CSIF), is an anti-inflammatory cytokine. In humans IL-10 is encoded by the IL10 gene. It is capable of inhibiting synthesis of pro-inflammatory cytokines like IFN-gamma, IL-2, IL-3, TNFalpha and GM-CSF made by cells such as macrophages and regulatory T-cells. IL-10 also displays potent abilities to suppress the antigen presentation capacity of antigen presenting cells. Kim et al. (1992) showed that the mouse IL 10 gene contains 5 exons and spans about 5.2 kb of genomic DNA. Eskdale et al. (1997) mapped the IL10 gene to the junction between 1q31 and 1q32.

Overview

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|----------------------|---|
| Product Name | Anti-Interleukin-10 IL10 Antibody Picoband® PE Conjugated |
| Reactive Species | Mouse |
| Application | Recommended applications are based on the parent unconjugated antibody (ELISA, 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 | P18893 |

Technical Details

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| Immunogen | E. coli-derived mouse IL-10 recombinant protein (Position: S19-S178). |
| Cross Reactivity | No cross-reactivity with other proteins |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | PE Excitation Wavelength: 566 nm Emission Wavelength: 574 nm |
| Suggested Dilutions | Optimal dilutions should be determined by end users. |

19 Publications Citing This Product

1. PubMed ID: 10.3389/fmicb.2020.622354, Prevention and Alleviation of Dextran Sulfate Sodium Salt-Induced Inflammatory Bowel Disease in Mice With Bacillus subtilis-Fermented Milk via Inhibition of the Inflammatory Responses and Regulation of the Intestinal Flora
2. PubMed ID: 10.1016/j.ajpath.2021.09.006, Chronic intestinal inflammation suppresses brain activity by inducing neuroinflammation in mice
3. PubMed ID: 10.1007/s00436-020-07025-3, The role of regulatory B cells in Echinococcus granulosus -infected mice

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