

Product datasheet for **AP01147BT-S**

IL28A (IFNL2) Rabbit Polyclonal Antibody

Product data:

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|------------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | ELISA, WB |
| Recommended Dilution: | ELISA: Direct: To detect hIFN- λ 2 (using 100 μ l/well antibody solution) a concentration of 0.25 - 1.0 μ g/ml of this antibody is required. In conjunction with compatible secondary reagents, it allows the detection of at least 0.2 - 0.4 ng/well of recombinant hIFN- λ 2. Sandwich: To detect hIFN- λ 2(using 100 μ l/well antibody solution) a concentration of 0.25 - 1.0 μ g/ml of this antibody is required. In conjunction with Polyclonal Anti-Human IFN- λ 2 as a capture antibody, it allows the detection of at least 0.2 - 0.4 ng/well of recombinant hIFN- λ 2. Western blot: To detect hIFN- λ 2 this antibody can be used at a concentration of 0.1 - 0.2 μ g/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hIFN- λ 2 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions. |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Immunogen: | Highly pure (> 98 %) recombinant human IFN- λ 2 |
| Specificity: | This antibody detects Interferon-lambda 2. |
| Formulation: | PBS, pH 7.2 Label: Biotin State: Sterile filtered lyophilized Ig fraction |
| Reconstitution Method: | Centrifuge vial prior to opening. Restore in sterile PBS containing 0.1% BSA to a concentration of 0.1 - 1.0 mg/ml. |
| Purification: | Affinity chromatography |
| Conjugation: | Biotin |
| Storage: | Store the lyophilized antibody at -20 °C. Following reconstitution it is stable for two weeks at 2 - 8 °C. Frozen aliquots are stable for 6 months when stored at -20 °C. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: One year from despatch. |



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Gene Name: interferon, lambda 2

Database Link: [Entrez Gene 282616 Human Q8IZJ0](#)

Background: IL28 is a cytokine distantly related to type I interferons and the IL-10 family. This gene, interleukin 28B (IL28B), and interleukin 29 (IL29) are three closely related cytokine genes that form a cytokine gene cluster on a chromosomal region mapped to 19q13. Expression of the cytokines encoded by the three genes can be induced by viral infection. All three cytokines have been shown to interact with a heterodimeric class II cytokine receptor that consists of interleukin 10 receptor, beta (IL10RB) and interleukin 28 receptor, alpha (IL28RA).

Synonyms: IL-28A, Interferon lambda-2, IFNL2, ZCYTO20

Protein Families: Druggable Genome, Secreted Protein, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway