

## Product datasheet for **AP01147PU-S**

### IL28A (IFNL2) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	<b>Indirect ELISA:</b> To detect hIFN- $\lambda$ 2 (using 100 $\mu$ l/well antibody solution) a concentration of 0.5 - 2.0 $\mu$ 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- $\lambda$ 2. <b>Sandwich ELISA:</b> To detect hIFN- $\lambda$ 2 (using 100 $\mu$ l/well antibody solution) a concentration of 0.5 - 2.0 $\mu$ g/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with Biotinylated Anti-Human IFN- $\lambda$ 2 as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant hIFN- $\lambda$ 2. <b>Western blot:</b> To detect hIFN- $\lambda$ 2 this antibody can be used at a concentration of 0.1 - 0.2 $\mu$ g/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hIFN- $\lambda$ 2 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions. <b>Immunostaining.</b>
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (> 98%)E.coli derived, 19.6 kDa recombinant human IFN- $\lambda$ 2
Specificity:	This antibody detects Interferon-lambda 2.
Formulation:	PBS, pH 7.2 without preservatives. State: Aff - Purified State: Sterile filtered lyophilized Ig fraction
Reconstitution Method:	Centrifuge vial prior to opening. Restore in sterile water to a concentration of 0.1 - 1.0 mg/ml.
Purification:	Immunoaffinity chromatography
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. 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