10320 Camino Santa Fe, Suite G
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IL28A Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO2199a

Specification

IL28A Antibody - Product Information

Application	**E, WB, IF**
Primary Accession	Q8IZJ0
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**22.3kDa KDa**

Description
This gene encodes 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).

Immunogen
Purified recombinant fragment of human IL28A (AA: 1-200) expressed in E. Coli.

Formulation
Purified antibody in PBS with 0.05% sodium azide

IL28A Antibody - Additional Information

Gene ID 282616

Other Names
Interferon lambda-2, IFN-lambda-2, Cytokine Zcyto20, Interleukin-28A, IL-28A, IFNL2, IL28A, ZCYTO20

Dilution
E~~1/10000
WB~~1/500 - 1/2000
IF~~1/200 - 1/1000

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
IL28A Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

IL28A Antibody - Protein Information

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Name IFNL2

Synonyms IL28A, ZCYTO20

Function
Cytokine with antiviral, antitumour and immunomodulatory activities. Plays a critical role in the antiviral host defense, predominantly in the epithelial tissues. Acts as a ligand for the heterodimeric class II cytokine receptor composed of IL10RB and IFNLR1, and receptor engagement leads to the activation of the JAK/STAT signaling pathway resulting in the expression of IFN-stimulated genes (ISG), which mediate the antiviral state. Has a restricted receptor distribution and therefore restricted targets: is primarily active in epithelial cells and this cell type-selective action is because of the epithelial cell-specific expression of its receptor IFNLR1. Seems not to be essential for early virus-activated host defense in vaginal infection, but plays an important role in Toll-like receptor (TLR)- induced antiviral defense. Plays a significant role in the antiviral immune defense in the intestinal epithelium. Exerts an immunomodulatory effect by up-regulating MHC class I antigen expression.

Cellular Location
Secreted.

IL28A Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture