

IL29 Rabbit pAb

Catalog # AP97724

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q8IU54
Other Accession	Q8IU54
Predicted	Rat, Pig, Human, Mouse, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	21898
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human IL-29
Epitope Specificity	101-200/200
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the IL-28/IL-29 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	IL-29 belongs to the type III interferon protein family, which is distinct from the type I IFNs. IL29 is induced by virus infection or double stranded RNA. IL-29 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. IL-29 has antiviral, antitumour and immunomodulatory activities. IL-29 is primarily active in epithelial cells and this cell type selective action is because of the epithelial cell specific expression of its receptor IFNLR1. It also exerts an immunomodulatory effect by up regulating MHC class I antigen expression. This recombinant human IL-29 is produced by human cells.(Tag free) Biological activity: The activity was measured by its antiviral function in A549 cells (human lung adenocarcinoma epithelial cell line) infected with encephalomyocarditis (EMC) virus. Reconstitution: Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.

Additional Information

Gene ID	282618
Other Names	IL-29; IL29; IFNL1_HUMAN; IFNL1; IFN-lambda-1; Cytokine Zcyto21; Interleukin-29 (IL-29); ZCYTO21; interferon lambda 1; interleukin 29; interleukin 29 (interferon, lambda 1)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
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Protein Information

Name	IFNL1
Synonyms	IL29, ZCYTO21
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. Exerts an immunomodulatory effect by up-regulating MHC class I antigen expression.
Cellular Location	Secreted.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.