

Anti-Human IL-29 (RABBIT) Antibody
IL-29 Antibody
Catalog # ASR4939**Specification**

Anti-Human IL-29 (RABBIT) Antibody - Product Information

Host	Rabbit
Conjugate	Unconjugated
Target Species	Human
Reactivity	Human
Clonality	Polyclonal
Application	WB, E, I, LCI
Application Note	This purified antibody has been tested in western blotting and suitable for ELISA. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 19.9 kDa in size corresponding to the mature human IL-29 protein by western blotting in appropriate cell lysate or extract.
Physical State	Lyophilized
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	This IgG fraction antibody was prepared from rabbit antiserum after repeated immunizations with mature length recombinant human IL-29 protein produced in E.coli.
Reconstitution Volume	100 µL
Reconstitution Buffer	Restore with deionized water (or equivalent)

Anti-Human IL-29 (RABBIT) Antibody - Additional Information**Gene ID** 282618**Other Names**
282618**Purity**

Anti-IL-29 is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. This antibody is specific for human IL-29 protein. A BLAST analysis was used to suggest cross-reactivity with IL-29 from human sources based on 100% homology with the immunizing sequence. Based on high to 100% homology, there is a chance of cross-reactivity to IL-29 from a wide variety of animals. Cross-reactivity with IL-29 from other sources has not been determined.

Storage Condition

Store anti-IL-29 antibody at 4° C prior to restoration. For extended storage aliquot contents and

freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Precautions Note

This product is for research use only and is not intended for therapeutic or diagnostic applications.

Anti-Human IL-29 (RABBIT) Antibody - 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.

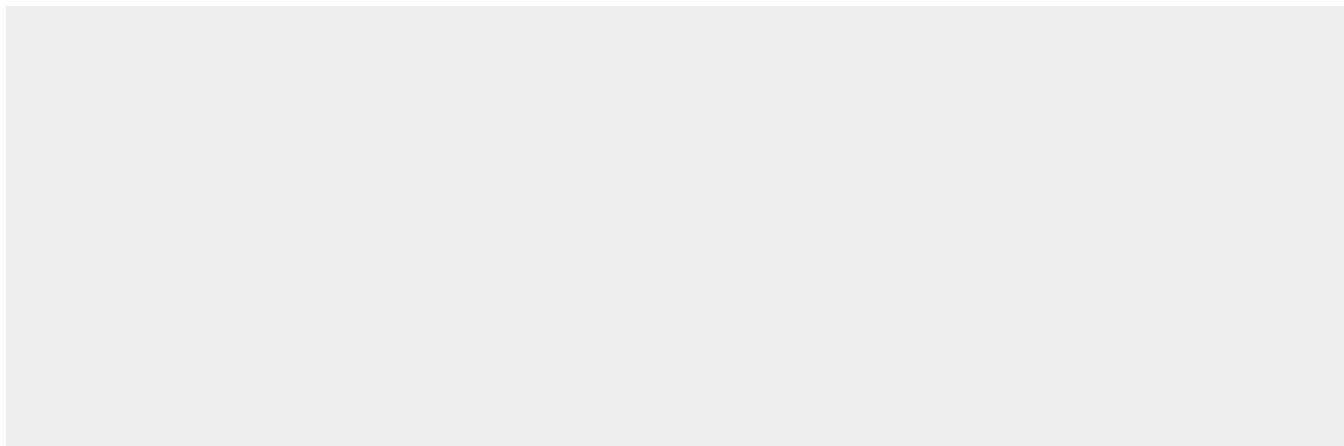
Cellular Location

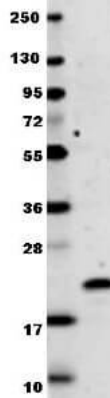
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Anti-Human IL-29 (RABBIT) Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Human IL-29 (RABBIT) Antibody - Images



Anti-human IL-29 antibody in western blot shows detection of recombinant human IL-29 raised in E.coli. Recombinant protein (0.1 µg, 19.9 kDa) was loaded onto and resolved by SDS-PAGE, then transferred to nitrocellulose. The membrane was blocked with 1% BSA in TBST for 30 min at RT, followed by incubation with Rockland's, Inc. Anti-Human IL-29. After washing, membrane was probed with secondary antibody Dylight™ 649 Conjugated Anti-Rabbit IgG (H&L) (Goat) Antibody (611-143-122) diluted 1:20,000 in blocking buffer (p/n MB-070) for 30 min. at RT. Data was collected using Bio-Rad VersaDoc® 4000 MP imaging system.

Anti-Human IL-29 (RABBIT) Antibody - Background

IL-29 (Interleukin-29) is a secreted cytokine with immunomodulatory activity. It may play a role in antiviral immunity. It up-regulates MHC class I antigen expression. IL-29 is a ligand for the heterodimeric class II cytokine receptor composed of IL10RB and IL28RA. The ligand/receptor complex seems to signal through the Jak-STAT pathway. Its induction is by viral infections or double stranded RNA. Anti-IL-29 antibody is ideal for investigators involved in Immunology research.