IL-29 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IL-29, Polyclonal Antibody
Full Product Name	IL-29 Rabbit pAb
Product Gene Name	anti-IL-29 antibody
Product Synonym Names	IL29; IFNL1; ZCYTO21; Interleukin-29; IL-29; Cytokine Zcyto21; Interferon lambda-1; IFN-lambda-1; IL29
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid in PBS containing 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.
Purity/Purification	Affinity Purified
Preparation and Storage	Store at -20 degree C for 1 year.
OMIM	607403
3D Structure	ModBase 3D Structure for Q8IU54
Immunogen	Synthesized peptide derived from Interleukin-29 at AA range: 121-170
Cellular Localization	Secreted
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-IL-29 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-IL-29 antibody	WB: 1:500-1:2000 ELISA: 1:20000
Related Product Information for anti-IL-29 antibody	MBS8540834 is an antibody targeting IL-29. Also known as IL-29 Rabbit pAb. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-IL-29 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL-29. It may not necessarily be applicable to this product.

NCBI GI #	26024325
NCBI GeneID	282618
NCBI Accession #	NP_742152.1
UniProt Primary Accession #	Q8IU54
UniProt Related Accession #	Q8IU54
GenBank Nucleotide #	NP_742152.1
NCBI Official Full Name	interferon lambda-1

NCBI Official Synonym Full Names	interferon lambda 1
NCBI Official Symbol	IFNL1
NCBI Official Synonym Symbols	IL29; IL-29
UniProt Protein Name	Interferon lambda-1
UniProt Synonym Protein Names	Cytokine Zcyto21; Interleukin-29
UniProt Gene Name	IFNL1
UniProt Synonym Gene Names	IL29; ZCYTO21; IFN-lambda-1; IL-29
UniProt Entry Name	IFNL1_HUMAN
NCBI Protein Information	interferon lambda-1
NCBI Summary for IL-29	This gene encodes a cytokine distantly related to type I interferons and the IL-10 family. This gene, interleukin 28A (IL28A), and interleukin 28B (IL28B) 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). [provided by RefSeq, Jul 2008]
UniProt Comments for IL-29	IL29: Cytokine with immunomodulatory activity. May play a role in antiviral immunity. Up-regulates MHC class I antigen expression. 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. Belongs to the IL-28/IL-29 family. Protein type: Cytokine; Secreted, signal peptide; Secreted; Cell cycle regulation Chromosomal Location of Human Ortholog: 19q13.13 Cellular Component: extracellular space; extracellular region; interleukin-28 receptor complex Molecular Function: cytokine activity; interleukin-28 receptor binding; receptor binding Biological Process: positive regulation of immune response; positive regulation of transcription, DNA-dependent; positive regulation of JAK-STAT cascade; JAK-STAT cascade; negative regulation of T cell differentiation; negative regulation of cell proliferation; positive regulation of interferon-gamma production; negative regulation of interleukin-13 production; positive regulation of tyrosine phosphorylation of STAT protein; negative regulation of T-helper 2 type immune response; negative regulation of interleukin-5 production; positive regulation of MHC class I biosynthetic process; negative regulation of transcription, DNA-dependent; negative regulation of memory T cell differentiation; defense response to virus
Research Articles on IL-29	**1.** this study shows that IL-17A attenuates IFN-lambda1 expression by inducing suppressor of cytokine signaling expression in airway epithelium
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