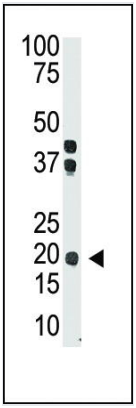
IL-28A Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IL-28A, Polyclonal Antibody
Full Product Name	IL-28A (Interleukin-28A, Interferon lambda-2, IFN lambda-2, Cytokine ZCYTO20, IFNL2, ZCYTO20) (PE)
Product Gene Name	anti-IL-28A antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein G Affinity Chromatography.
Specificity	Recognizes human IL28. Species Crossreactivity: mouse.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	22.1 kDa (198aa)
OMIM	607401
3D Structure	ModBase 3D Structure for Q8IZJ0
Immunogen	KLH-conjugated synthetic peptide derived from within amino acids 61-92 in the center region of human IL-28 (UniProt Accession # Q8IZJ0).
Conjugate	PE
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-IL-28A antibody	Antibodies; Interleukin
Applications Tested/Suitable for anti-IL-28A antibody	Western Blot (WB), FLISA
Application Notes for anti-IL-28A antibody	WB: 1:100-1:500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-IL-28A antibody	MBS6483379 is an antibody targeting IL-28A. Also known as IL-28A (Interleukin-28A, Interferon lambda-2, IFN lambda-2, Cytokine ZCYTO20, IFNL2, ZCYTO20) (PE). Reactive in Human, Mouse. Host: Rabbit.
Product References and Citations for anti-IL-28A antibody	1. Kotenko, S.V., et al., Nat. Immunol. 4(1):69-77 (2003). 2. Sheppard, P., et al., Nat. Immunol. 4(1):63-68 (2003).
Other Notes	Small volumes of anti-IL-28A 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.



Western Blot (WB) of anti-IL-28A antibody
The anti-IL28 Ctr-term Pab is used in Western blot to detect IL28 in mouse brain tissue lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL-28A. It may not necessarily be applicable to this product.

NCBI GI #	26024321
NCBI GeneID	282616
NCBI Accession #	NP_742150
UniProt Primary Accession #	Q8IZJ0
UniProt Secondary Accession #	Q45KQ8; Q6VN55; Q8IWL7
UniProt Related Accession #	Q8IZJ0
GenBank Nucleotide #	NM_172138.1
NCBI Official Full Name	interferon lambda-2
NCBI Official Synonym Full Names	interferon lambda 2
NCBI Official Symbol	IFNL2
NCBI Official Synonym Symbols	IL28A; IL-28A
UniProt Protein Name	Interferon lambda-2
UniProt Synonym Protein Names	Cytokine Zcyto20; Interleukin-28A
Protein Family	Interferon
UniProt Gene Name	IFNL2
UniProt Synonym Gene Names	IL28A; ZCYTO20; IFN-lambda-2; IL-28A
UniProt Entry Name	IFNL2_HUMAN
NCBI Protein Information	interferon lambda-2
NCBI Summary for IL-28A	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). [provided by RefSeq, Jul 2008]

UniProt Comments for IL-28A	IL28A: Cytokine with immunomodulatory activity. Up-regulates MHC class I antigen expression. Displays potent antiviral activity. Also displays antitumor activity. 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: Secreted, signal peptide; Secreted; Cytokine Chromosomal Location of Human Ortholog: 19q13.13 Cellular Component: extracellular space Molecular Function: cytokine activity Biological Process: positive regulation of immune response; mucosal immune response; JAK-STAT cascade; defense response to virus
Research Articles on IL-28A	**1.** NS of severe fever with thrombocytopenia syndrome virus inhibited the activity of IFN-alpha1, IFN-beta, IFN-lambda1 and IFN-lambda2 through inhibition of STAT1 phosphorylation.
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