



Anti-IFNL3 monoclonal antibody, clone 355827 (DCABY-4108)

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

PRODUCT INFORMATION

Antigen Description	Human/mouse IL-28A (IFN-lambda 2), IL-28B (IFN-lambda 3), and human IL-29 (IFN-lambda 1) are class II cytokine receptor ligands that are distantly related to members of the IL-10 family (11 - 13% amino acid (aa) sequence identity) and type I IFN family (15 - 19% aa sequence identity). These cytokines exert bioactivities that overlap those of type I IFNs, including antiviral activity and up-regulation of MHC class I antigen expression. The proteins signal through the same heterodimeric receptor complex that is composed of the IL-10 receptor beta (IL-10 R beta) and a novel IL-28 receptor alpha (IL-28 R alpha, also known as IFN-lambda R1). Mouse IL-28 shares 61%, 62%, and 52% aa identity with human IL-28A, IL-28B, and IL-29, respectively.
Specificity	Detects mouse IL-28B/IFN-lambda 3 in ELISAs. In sandwich immunoassays, 100% cross-reactivity with recombinant mouse IL-28A/IFN-lambda 2 and no cross-reactivity with recombinant human(rh)IL-28A or rhIL-29 is observed.
Immunogen	E. coli-derived recombinant mouse IL-28B/IFN-lambda 3. Asp20-Val193 Accession Number Q8CGK6
Isotype	IgG2b
Source/Host	Rat
Species Reactivity	Mouse
Clone	355827
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Unconjugated
Applications	ELISA Capture (Matched Pair), Neutralization

Format	Liquid
Size	500 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Preservative	None
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month from date of receipt, 2 to 8 °C, reconstituted. 6 months from date of receipt, -20 to -70 °C, reconstituted.

GENE INFORMATION

Gene Name	IFNL3 interferon, lambda 3 [Homo sapiens (human)]
Official Symbol	IFNL3
Synonyms	IFNL3; interferon, lambda 3; IL28B; IL28C; IL-28B; interferon lambda-3; IL-28C; IFN-lambda-3; IFN-lambda-4; interleukin 28C; interleukin-28B; interleukin-28C; cytokine Zcyto22; interferon lambda-4; interferon, lambda 4; interleukin 28B (interferon, lambda
Entrez Gene ID	282617
Protein Refseq	NP_742151
UniProt ID	Q8IZI9
Chromosome Location	19q13.13
Pathway	Cytokine-cytokine receptor interaction; Jak-STAT signaling pathway; Type III interferon signaling;
Function	cytokine activity;