



Mouse Anti-Human IL33 monoclonal antibody, clone 4179B (CABT-L4595)

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

PRODUCT INFORMATION

Immunogen	recombinant human IL-33
Isotype	IgG2b, κ
Source/Host	Mouse
Species Reactivity	Human
Clone	4179B
Purification	Purified, liquid
Conjugate	Unconjugated
Applications	ELISA, WB
Format	Liquid
Concentration	Lot specific
Size	100 µg
Buffer	PBS, pH 7.4
Preservative	0.05% sodium azide
Storage	At -20°C
Ship	Wet ice

BACKGROUND

Introduction

Interleukin-33 (IL-33), a member of the IL-1 family of cytokines, is expressed by many cell types following pro-inflammatory stimulation and is thought to be released on cell lysis. The 30 kDa human IL-33 is converted by CASP1 to a 18 kDa protein. IL-33 binds to and signals through ST2 (IL1R1) and its stimulation recruits MYD88, IRAK, IRAK4, and TRAF6, followed by phosphorylation of ERK1 (MAPK3)/ERK2 (MAPK1), p38 (MAPK14), and JNK. The ability of IL-33 to target numerous immune cell types, like Th2-like cells, mast cells, and B1 cells, and to induce cytokine and chemokine production underlines its potential in influencing the outcome of a wide range of diseases, such as arthritis, asthma, atopic allergy and anaphylaxis, cardiovascular disease/atherosclerosis, nervous system diseases, and sepsis.

Keywords

IL-1F11;IL-33;NF-HEV