

Datasheet for ABIN1169171

**anti-IL-33 antibody****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	IL-33 (IL33)
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IL-33 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP)

## Product Details

Immunogen:	Recombinant human IL-33.
Clone:	IL33026B
Isotype:	IgG1
Specificity:	Recognizes human and mouse IL-33.
Cross-Reactivity:	Human, Mouse (Murine)
Sterility:	0.2 µm filtered

## Target Details

Target:	IL-33 (IL33)
Alternative Name:	IL-33 ( <a href="#">IL33 Products</a> )
Background:	Interleukin-33 (IL-33, HF-NEV, IL-1F11), a member of the IL-1 family of cytokines, is expressed

## Target Details

by many cell types following pro-inflammatory stimulation and is thought to be released on cell lysis. The 30 kDa human IL33 is converted by CASP1 to a 18 kDa protein. IL33 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 & anaphylaxis, cardiovascular disease/atherosclerosis, nervous system diseases, and sepsis.

UniProt: [O95760](#)

Pathways: [Production of Molecular Mediator of Immune Response](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: Lot specific

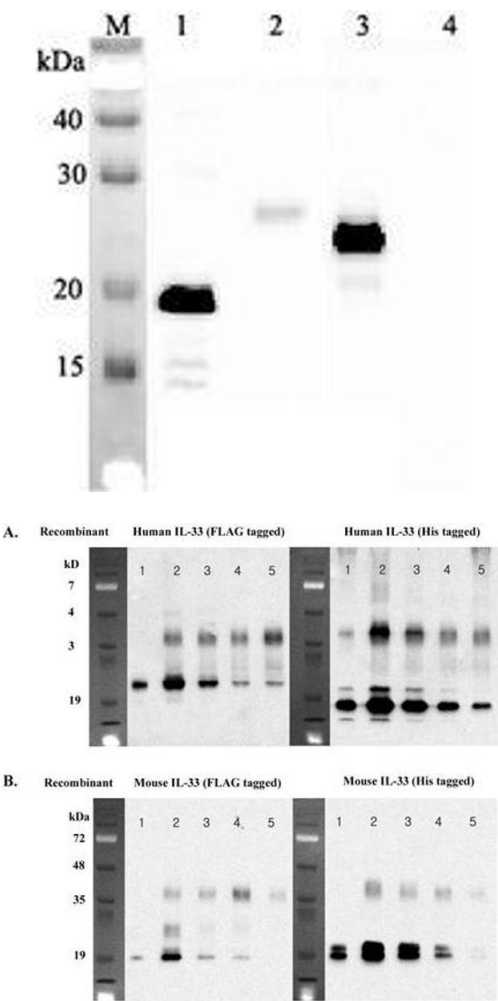
Buffer: 0.2µm-filtered solution in PBS, pH 7.4. Contains no preservatives.

Preservative: Without preservative

Storage: 4 °C,-20 °C

Storage Comment: Short Term Storage: +4°C  
Long Term Storage: -20°C  
Stable for at least 1 year after receipt when stored at -20°C.

Expiry Date: 12 months



Western Blotting

**Image 1.** Western blot analysis using anti-IL-33 (human), mAb (IL33026B) at 1:2'000 dilution. 1: Human IL-33 (His-tagged). 2: Human IL-33 (FLAG ® -tagged). 3: Mouse IL-33 (FLAG ® -tagged). 4: Other protein (His-tagged) (negative control).

Western Blotting

**Image 2.** Immunoprecipitation of recombinant IL-33 proteins using anti-IL-33 (human), mAb (IL33026B) . Recombinant IL-33 proteins at different concentrations were precipitated by anti-IL-33 mAb (IL33026B). The precipitated proteins were separated by SDS-PAGE, electroblotted, and visualized by western blot. 1. Control 100ng 2. IP : 1µg 3. IP : 500ng 4. IP : 250ng 5. IP : 125ng