

IL-33 (Ms) ABfinity™ Recombinant Rabbit Monoclonal Antibody - Purified



Catalog no. 700268

(See product label for lot information)

Clone/PAD: 13H20L1
Isotype: IgG
Gene ID: 77125
Protein Acc. no.: Q8BVZ5
Qty: 100 µg
Volume: 200 µL
Concentration: 0.5 mg/mL

Formulation

PBS + 0.09% sodium azide

Application

For use in Western Blotting

Reactivity

This antibody is specific for Mouse IL-33

Immunogen

Recombinant protein corresponding to amino acids 109–266 of mouse IL-33

Sequence Identity

Mouse

Storage

2–8°C for up to 1 month, –20°C for long term storage. Avoid repeated freezing and thawing.

Expiration Date

Expires one year from date of receipt when stored as instructed.

Background

IL-33 (Interleukin-33) belongs to the IL-1 superfamily. It induces helper T-cells which secretes Type 2 cytokines (1,2). IL-33 binds and signals through IL1RL1/ST2 (3). The stimulation recruits MYD88, IRAK1, IRAK4, and TRAF6 (4). Phosphorylation of MAPK3/ERK1 and/or MAPK1/ERK2, MAPK14, and MAPK8 is followed there on.

References

- Schmitz J, Owyang A, Oldham E, Song Y, Murphy E, McClanahan TK, Zurawski G, Moshrefi M, Qin J, Li X, Gorman DM, Bazan JF, Kastelein RA. (2005). IL-33, an interleukin-1-like cytokine that signals via the IL-1 receptor-related protein ST2 and induces T helper type 2-associated cytokines. *Immunity*. 479-90.
- Ali S., Huber M., Kollwe C., Bischoff S.C., Falk W., Martin M.U. (2007). IL-1 receptor accessory protein is essential for IL-33-induced activation of T lymphocytes and mast cells. *The Proceedings of the National Academy of Sciences U.S.A.*, 18660-18665.
- Carriere V., Roussel L., Ortega N., Lacorre D.A., Americh L., Aguilar L., Bouche G., Girard J.P. (2007). IL-33, the IL-1-like cytokine ligand for ST2 receptor, is a chromatin-associated nuclear factor in vivo. *The Proceedings of the National Academy of Sciences U.S.A.*, 282-287.
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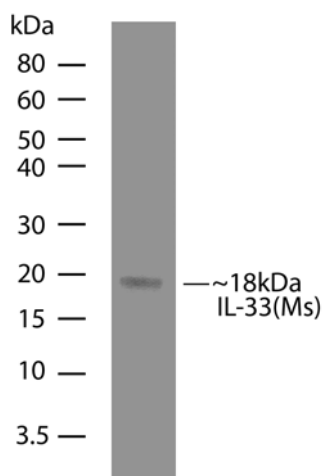
Applications:

	Species	Test Material	Concentration
Western Blotting	Mouse	Rec IL-33 (Ms)	0.1–1 µg/mL

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Western Blot of IL-33 (Ms) labeled with IL-33 (Ms) Rabbit Recombinant Monoclonal Antibody (Cat. no. 700268).

IL-33 (Ms) Rabbit Recombinant Monoclonal Antibody (0.1 µg/mL) was used to label IL-33 (Ms) in Rec IL-33 (Ms) (5 ng/Lane). The western was performed using the WesternBreeze® kit with NBT/BCIP as the substrate (Cat. no. WB7105).

Explanation of symbols

Symbol	Description	Symbol	Description
	Catalogue Number		Batch code
	Research Use Only		<i>In vitro</i> diagnostic medical device
	Use by		Temperature limitation
	Manufacturer		European Community authorised representative
	Without, does not contain		With, contains
	Protect from light		Consult accompanying documents
	Directs the user to consult instructions for use (IFU), accompanying the product.		

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