

Anti-IL-33 (Mouse) mAb

(Functional Grade)

CODE No. M187-3

CLONALITY Monoclonal
CLONE 1F11
ISOTYPE Mouse IgG1 κ
QUANTITY 200 μ L, 1 mg/mL

SOURCE Purified IgG from hybridoma supernatant
IMMUNOGEN Mouse IL-33, 109-266 aa (recombinant)
FORMURATION 1 mg/mL in PBS. Azide free, 0.22 μ m sterile-filtered
Endotoxin level is <0.5 EU/mg antibody, as determined by the LAL assay
STORAGE This antibody solution is stable for one year from the date of purchase when stored at 4°C.

APPLICATION-CONFIRMED

Western blotting 1 μ g/mL for chemiluminescence detection system

APPLICATION-REPORTED

Neutralization Reference 1)-3)

SPECIES CROSS REACTIVITY on WB

Species	Human	Mouse	Rat	Hamster
Cells	Transfectant	Transfectant	Not tested	Not tested
Reactivity	-	+		

Entrez Gene ID 77125 (Mouse)

REFERENCES

- 1) Shadie, M., *et al.*, *Clin. Exp. Immunol.* (2014) In press. [Neutralization]
- 2) Bunting, M. M., *et al.*, *Biomed. Res. Int.* 250938 (2013) [Neutralization]
- 3) Ohno, T., *et al.*, *PLoS One* **6**, e18404 (2011) [Neutralization]
- 4) Matsuyama, Y., *et al.*, *J. Rheumatol.* **37**, 18-25 (2010)
- 5) Smith, D. E., *et al.*, *Clin. Exp. Allergy* **40**, 200-208 (2010)
- 6) Cayrol, C. and Girard, J. P., *PNAS.* **106**, 9021-9026 (2009)
- 7) Luthi, A. U., *et al.*, *Immunity* **31**, 84-98 (2009)
- 8) Schmitz, J., *et al.*, *Immunity* **23**, 479-490 (2005)

For more information, please visit our web site <http://ruo.mbl.co.jp/>

RELATED PRODUCTS

Functional grade antibodies

M187-3 Anti-IL-33 (Mouse) mAb FG (1F11)
M188-3 Anti-IL-33 (Mouse) mAb FG (2C7)
D266-3M2 Anti-Mincle (Mouse) mAb FG (1B6)
D292-3M2 Anti-Mincle (Mouse) mAb FG (4A9)
M080-3M2 Rat IgG1 (isotype control) FG (1H5)
M075-3M2 Mouse IgG1 (isotype control) FG (2E12)
M076-3M2 Mouse IgG2a (isotype control) FG (6H3)

Purified antibodies

M161-3 Anti-IL-33 (Mouse) mAb (4G4)
M138-3 Anti-IL-33 (Human) mAb (5H1)
PM033 Anti-IL-33 (Human) pAb (polyclonal)
D065-3 Anti-ST2 (Human) mAb (HB12)
D066-3 Anti-ST2 (Human) mAb (FB9)
D067-3 Anti-ST2 (Human) mAb (2A5)
D067-4 Anti-ST2 (Human) mAb-FITC (2A5)
D067-5 Anti-ST2 (Human) mAb-PE (2A5)

ELISA Kits

7650 Human IL-33 Cytokine domain Detection Kit
5332 Ab-Match ASSEMBLY mouse IL-33 ELISA
7638 ST2 ELISA kit

Recombinant Proteins

B006-10 Recombinant Mouse IL-33
B005-10 Recombinant Human IL-33

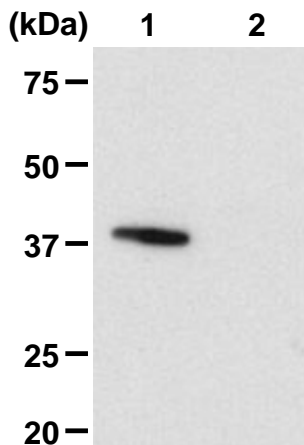
Other

8455 MaxBlot 1&2

SDS-PAGE & Western blotting

- 1) Wash 1×10^7 cells 3 times with PBS and suspends them in 1 mL of Laemmli's sample buffer, then sonicate briefly (up to 10 sec.).
- 2) Boil the samples for 3 min. and centrifuge. Load 10 μ L of the sample per lane in a 1-mm-thick SDS-polyacrylamide gel (12.5% acrylamide) for electrophoresis.
- 3) Blot the protein to a polyvinylidene difluoride (PVDF) membrane at 1 mA/cm² for 1 hr. in a semi-dry transfer system (Transfer Buffer: 25 mM Tris, 190 mM glycine, 20% MeOH). See the manufacturer's manual for precise transfer procedure.
- 4) To reduce nonspecific binding, soak the membrane in 10% skimmed milk (in PBS, pH 7.2) overnight at 4°C.
- 5) Wash the membrane with PBS-T [0.05% Tween-20 in PBS] (5 min. x 3 times).
- 6) Incubate the membrane with primary antibody diluted with MaxBlot Solution 1 (MBL; code no. 8455) as suggested in the **APPLICATIONS** for 1 hr. at room temperature. (The concentration of antibody will depend on the conditions.)
- 7) Wash the membrane with PBS-T (5 min. x 3 times).
- 8) Incubate the membrane with the 1:10,000 Anti-IgG (Mouse) pAb-HRP (MBL; code no. 330) diluted with 1% skimmed milk (in PBS, pH 7.2) for 1 hr. at room temperature.
- 9) Wash the membrane with PBS-T (5 min. x 3 times).
- 10) Wipe excess buffer on the membrane, and then incubate it with appropriate chemiluminescence reagent for 1 min. Remove extra reagent from the membrane by dabbing with paper towel, and seal it in plastic wrap.
- 11) Expose to an X-ray film in a dark room for 2 min. Develop the film as usual. The condition for exposure and development may vary.

(Positive control for Western blotting; Mouse IL-33 transfectant)



Western blot analysis of mouse IL-33

Lane 1: Mouse IL-33/293T
Lane 2: 293T

Immunoblotted with M187-3 in MaxBlot solution 1