

IL-33 (E2T5L) Rabbit mAb

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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W	H	Endogenous	30	Rabbit IgG	#O95760	90865

Product Usage Information**Application**

Western Blotting

Dilution

1:1000

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. *Do not aliquot the antibody.*

Specificity/Sensitivity

IL-33 (E2T5L) Rabbit mAb recognizes endogenous levels of total IL-33 protein.

Source / Purification

Monoclonal antibody is produced by immunizing animals with human IL-33 recombinant protein and reacts with an epitope surrounding Glu165.

Background

IL-33 (Interleukin-33, NF-HEV) is a nuclear cytokine that is part of the IL-1 family (1,2). Originally discovered as the 'nuclear factor from high endothelial venules,' it is widely expressed by endothelial cells as well as epithelial barrier tissues (1,5). IL-33 is involved in regulating type 2-associated innate immune responses (2,4). It is the ligand for ST2 which, along with IL-1RAcP, forms the IL-33R signaling complex (2,3). IL-33 functions as an alarmin upon cellular damage or stress, and is associated with allergic inflammation and asthma (5,6).

Background References

1. Baekkevold, E.S. et al. (2003) *Am J Pathol* 163, 69-79.
2. Schmitz, J. et al. (2005) *Immunity* 23, 479-90.
3. Chackerian, A.A. et al. (2007) *J Immunol* 179, 2551-5.
4. Smithgall, M.D. et al. (2008) *Int Immunol* 20, 1019-30.
5. Moussion, C. et al. (2008) *PLoS One* 3, e3331.
6. Cayrol, C. and Girard, J.P. (2014) *Curr Opin Immunol* 31, 31-7.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting

Cross-Reactivity Key

H: Human

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