

Rabbit anti-Human IL-33 mAb (CAP)

Catalog No.: RM17857

Basic Information

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RM17857

Catagory
Elisa Antibody Kit

Application
ELISA

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification


Endotoxin Level


Storage
This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free.

Avoid repeated freeze-thaw cycles.

Formulation
Supplied as a 0.2um filtered solution in PBS with 0.1% BSA, pH 7.8.

Contact

 | order@abclonal.com

 | support@abclonal.com

 | www.abclonal.com

Background

Interleukin-33 (IL-33), also known as NF-HEV and DVS 27, is a 30 kDa pro-inflammatory protein that plays an important role in Th2-biased immune responses and cardiac pathology. Human IL-33 is synthesized as a 270 amino acid (aa) molecule with an N-terminal nuclear localization signal, a helix-turn-helix motif, and a C-terminal region with structural homology to IL-1 family cytokines. Full length IL-33 interacts with nuclear chromatin, binds NFκB, and inhibits pro-inflammatory NFκB transactivation. Cleavage of full length IL-33 leads to the extracellular release of an 18-20 kDa C-terminal fragment known as mature IL-33. Mature human IL-33 shares 57% and 59% aa sequence identity with mouse and rat IL-33, respectively.

Immunogen Information

Immunogen
Recombinant Human IL-33

Cross-Reactivity

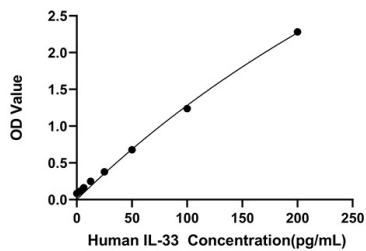
No cross-reactivity in ELISA assay with recombinant Human IL-18, Human IL-1α, Human IL-1β, Human IL-1ra, Mouse IL-1β, Rat IL-1α, Rat IL-1β

Assay Applications

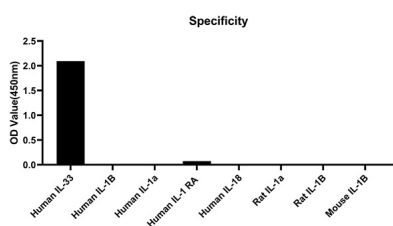
Human IL-33 Sandwich ELISA Immunoassay

	Recommended Concentration	Sample
ELISA Capture	0.5-2ug/mL	Rabbit anti-Human IL-33(CAP)(Cat. No.RM17857)
ELISA Detection	0.033-0.13ug/mL	Rabbit anti-Human IL-33(DET)(Cat. No.RM17858)
Standard	3.125-200pg/mL	Recombinant Human IL-33 Protein

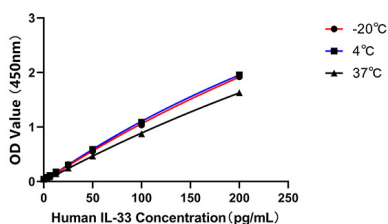
Validation Data



This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.



From the comparison of the standard curve, it is found that ABclonal has high sensitivity.



Placed at 37°C for 3 days, the stability of the standard curve all conform to CV <10%.