

Datasheet for ABIN6991912 **anti-IL-37 antibody (N-Term)**



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Overview

Quantity:	0.1 mg
Target:	IL-37 (IL37)
Binding Specificity:	AA 30-80, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-37 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	IL-37 antibody was raised against a 17 amino acid peptide near the amino terminus of human IL-37. The immunogen is located within amino acids 30 - 80 of IL-37 .
Isotype:	IgG
Specificity:	IL-37 antibody is human specific. Multiple isoforms of IL-37 are known to exist, this antibody will only detect the largest isoform. IL-37 antibody is predicted to not cross-react with IL-36.
Purification:	IL-37 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	IL-37 (IL37)
Alternative Name:	IL-37 (IL37 Products)

Target Details

Background: Interleukin 37 (IL-37) is a member of the interleukin 1 cytokine family (reviewed in 1). It can bind to, and may be a ligand for interleukin 18 receptor (IL18R1/IL-1Rrp). IL-37 also binds to interleukin 18 binding protein (IL18BP), an inhibitory binding protein of interleukin 18 (IL18), and subsequently forms a complex with IL18 receptor beta subunit, and through which it inhibits the activity of IL18 (1). IL-37 can also interact with Smad3 and expression of IL-37 in macrophages or epithelial cells resulted in near complete suppression of pro-inflammatory cytokines, suggesting that IL-37 may act as a natural suppressor of the innate inflammatory and immune responses (2,3).

Molecular Weight: Predicted: 24 kDa
Observed: 23kDa

Gene ID: 27178

NCBI Accession: [NP_055254](#)

UniProt: [Q9NZH6](#)

Application Details

Application Notes: IL-37 antibody can be used for detection of IL-37 by Western blot at 1 - 2 µg/mL.

Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: IL-37 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: IL-37 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.