

Datasheet for ABIN5690015
anti-IL-37 antibody (AA 30-80)



[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	IL-37 (IL37)
Binding Specificity:	AA 30-80
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)
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.
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:	4 °C,-20 °C
Storage Comment:	IL-37 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.