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## 11-4036: Polyclonal Antibody to IL-37

Clonality: Polyclonal
Application: WB
Reactivity: Human
Gene: IL37

 Gene ID :
 27178

 Uniprot ID :
 Q9NZH6

 Format :
 Purified

Alternative Name: IL37,FIL1Z,IL1F7,IL1H4,IL1RP1

**Isotype:** Rabbit IgG

Immunogen Information: Full length recombinant IL-37 protein was used as the immunogen for this antibody.

## **Description**

IL-37 (Interleukin-37) is a member of IL-1 family and is primarily an anti-inflammatory cytokine, which reduces systemic and local inflammation. There are five different splice variants of IL-37 termed IL-37a-e, where Isoform IL-37b is the largest isoform. IL-37 has significant sequence similarity with IL-18 and highly expressed in inflammatory tissues, which inhibits the excessive inflammatory response. The expression is highly induced by several toll-like receptor (TLR) ligands and pro-inflammatory cytokines such as IL-1beta, TNF-alpha, IFN-gamma. IL-37 is a potent inhibitor of innate immunity by shifting the cytokine equilibrium away from excessive inflammation.

## **Product Info**

**Amount**: 25 μg / 100 μg

**Purification:** Protein A Chromatography

Content: 25 μg in 50 μl/100 μg in 200 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium

azide is highly toxic.

Storage condition:

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Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid

repeated freeze and thaw cycles.

## **Application Note**

Western blot analysis: 2-4 µg/ml

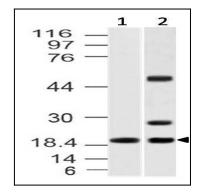


Fig-1: Western blot analysis of IL-37. Anti- IL-37 antibody (11-4036) was used at 2  $\mu$ g/ml on (1) A549 and (2) HCT-116 lysates.