

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 :	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

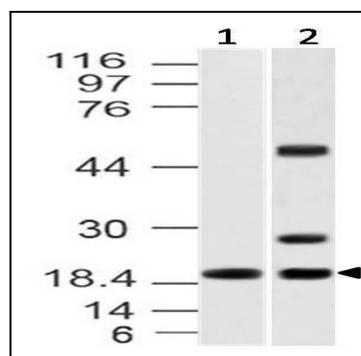


Fig-1: Western blot analysis of IL-37. Anti- IL-37 antibody (11-4036) was used at 2 µg/ml on (1) A549 and (2) HCT-116 lysates.