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Datasheet for ABIN1169178

anti-IL-37 antibody





Go to Product page

Overview

Quantity:	100 μg
Target:	IL-37 (IL37)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-37 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant human IL-37.
Specificity:	Recognizes human IL-37. Detects a band of ~30 kDa by Western blot.
Cross-Reactivity:	Human
Sterility:	0.2 µm filtered

Target Details

Target:	IL-37 (IL37)
Alternative Name:	IL-37 (IL37 Products)
Background:	IL-37 (IL-1F7, IL-1H4) is an IL-1 family member that is expressed only in certain types of human
	organs and cells such as heart, thymus, testis, kidney, mononuclear cells (PBMCs) and dendritic
	cells. IL-37 is an inhibitor of innate immunity with anti-inflammatory properties. It binds to the
	interleukin-18 receptor (IL-18R) and its co-receptor SIGIRR. IL-37 is secreted as a full-length and

Target Details

as a processed form starting from amino acid Val46. It plays an important role as a link between innate and adaptive immunity and acts as an inhibitor of autoimmune diseases and tumor growth. IL-37 also inhibited Lipopolysaccharide (LPS)-induced immunological reaction and LPS-induced osteoclast formation and bone resorption.

UniProt:

Q9NZH6

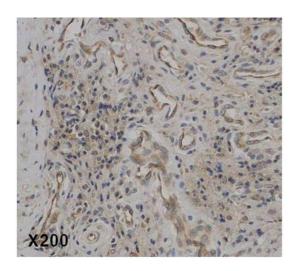
Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

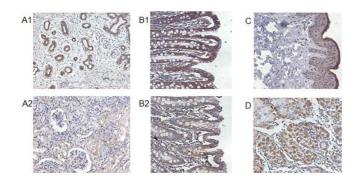
Format:	Liquid
Concentration:	Lot specific
Buffer:	0.2µm-filtered solution in PBS, pH 7.4. Contains no preservatives.
Preservative:	Without preservative
Storage:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C
	Long Term Storage: -20°C
	Stable for at least 6 months after receipt when stored at -20°C.
Expiry Date:	6 months

Images



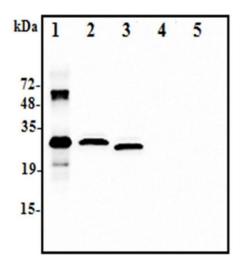
Immunohistochemistry

Image 1. Immunohistochemical staining of IL-37 in human rheumatoid arthritis tissue. Method: Immunohistochemical analysis of a paraffin-embedded rheumatoid arthritis tissue, showing endothelial cells and plasma cells (mature B cells) stained by anti-IL-37 at dilution 1:50 (under X200 lens, Brown color).



Immunohistochemistry

Image 2. Immunohistochemical staining of IL-37 in human kidney (A1), human colon (B1), human skin (C) and human stomach (D) using anti-IL-37. Human kidney (A2) and human colon (B2) are stained with negative control antirabbit IgG.



Western Blotting

Image 3. Western blot analysis using anti-IL-37 (human), pAb at 1:2.000 dilution: 1. Recombinant human IL-37-His (50ng) 2. Human IL-37-FLAG transfected HEK293 cell lysate(100μg) 3. Human IL-37-tag free transfected HEK293 cell lysate(100μg) 4. Empty vector transfected HEK293 cell lysate(100μg) 5. A unrelated protein-His (50ng)

Please check the product details page for more images. Overall 4 images are available for ABIN1169178.