

Datasheet for ABIN7601794
anti-IL-37 antibody (AA 46-218)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	IL-37 (IL37)
Binding Specificity:	AA 46-218
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-37 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-IL37 Antibody
Immunogen:	E.coli-derived human IL37 recombinant protein (Position: V46-D218).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-IL37 Antibody Picoband® (ABIN7601794). Tested in ELISA, Flow Cytometry, IF, IHC, ICC applications. This antibody reacts with Human.
Purification:	Immunogen affinity purified.

Target Details

Target:	IL-37 (IL37)
Alternative Name:	IL37 (IL37 Products)
Background:	Synonyms: Protocadherin-15, PCDH15, USH1F Tissue Specificity: Expressed in brain, lung, kidney, spleen and testis. Found also in the inner and outer synaptic layers, and the nerve fiber layer in adult and fetal retinas. Found in the supporting cells, outer sulcus cells and spiral ganglion of fetal cochlea. Expressed in cytotoxic tumor-derived T- and NK-cell lines as well as biopsies of nasal NK/T-cell lymphomas. Not detected in normal or in vitro activated peripheral blood cells, CD4 or CD8 lymphocytes or NK cells. Isoform 3 is expressed in brain, heart, cerebellum and kidney. CD1 isoforms, such as isoform 1, have a limited pattern of expression and is detected in testis, retina and cochlea. CD2 isoforms, such as isoforms 4 and 5, are expressed in heart, kidney, thymus, spleen, testis, retina and cochlea. CD3 isoforms, such as isoform 6, are widely expressed. Background: Interleukin 37 (IL-37), also known as IL-1 family member 7 (IL-1F7), is an anti-inflammatory cytokine. Interleukines are cytokines that make an important part of immune signaling. It belongs to the interleukin-1 family. This protein is in humans encoded by the IL37 gene located on the chromosome 2. The mechanism of IL-37 functions is still to be elucidated. IL-37 possesses not only anti-inflammatory effects but it is also important in antimicrobial response or antitumor immunity. The IL-37 acts intracellularly and extracellularly.
Molecular Weight:	180 kDa
Gene ID:	27178

Application Details

Application Notes:	Immunohistochemistry (Paraffin-embedded Section), 2-5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Ballak, D. B., Li, S., Cavalli, G., Stahl, J., Tengesdal, I. W., van Diepen, J. A., Kluck, V., Swartzwelter, B., Azam, T., Tack, C. J., Stienstra, R., Mandrup-Poulsen, T., Seals, D. R., Dinarello, C. A. Interleukin-37 treatment of mice with metabolic syndrome improves insulin sensitivity and reduces pro-inflammatory cytokine production in adipose tissue. J. Biol. Chem. 293: 14224-14236, 2018. 2. Busfield, S. J., Comrack, C. A., Yu, G., Chickering, T. W., Smutko, J. S., Zhou, H., Leiby, K. R., Holmgren, L. M., Gearing, D. P., Pan, Y. Identification and gene organization of three novel members of the IL-1 family on human chromosome 2. Genomics 66: 213-216, 2000.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.