



[Go to Product page](#)

Datasheet for ABIN748313

anti-IL-33 antibody (AA 185-264)

2 Images

2 Publications

Overview

Quantity:	100 µL
Target:	IL-33 (IL33)
Binding Specificity:	AA 185-264
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-33 antibody is un-conjugated
Application:	ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse IL-33
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	IL-33 (IL33)
Alternative Name:	IL-33 (IL33 Products)

Target Details

Background:	Synonyms: IL-33, IL1f11, NF-HEV, 9230117N10Rik, Interleukin-33, IL33 Background: Cytokine that binds to and signals through the IL1RL1/ST2 receptor which in turn activates NF-kappa-B and MAPK signaling pathways in target cells. Involved in the maturation of Th2 cells inducing the secretion of T-helper type 2-associated cytokines. Also involved in activation of mast cells, basophils, eosinophils and natural killer cells. Acts as a chemoattractant for Th2 cells, and may function as an "alarmin", that amplifies immune responses during tissue injury. In quiescent endothelia the uncleaved form is constitutively and abundantly expressed, and acts as a chromatin-associated nuclear factor with transcriptional repressor properties, it may sequester nuclear NF-kappaB/RELA, lowering expression of its targets. This form is rapidly lost upon angiogenic or proinflammatory activation.
Gene ID:	77125
UniProt:	Q8BVZ5
Pathways:	Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C

Handling

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

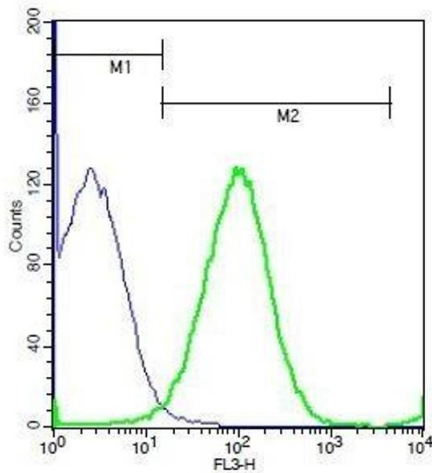
Expiry Date: 12 months

Publications

Product cited in: Chen, Qu, Li, Ye, Zhang, Qin, Fan: "Effects of 1,25-dihydroxyvitamin D3 in an ovalbumin-induced allergic rhinitis model." in: **International immunopharmacology**, Vol. 47, pp. 182-189, (2017) ([PubMed](#)).

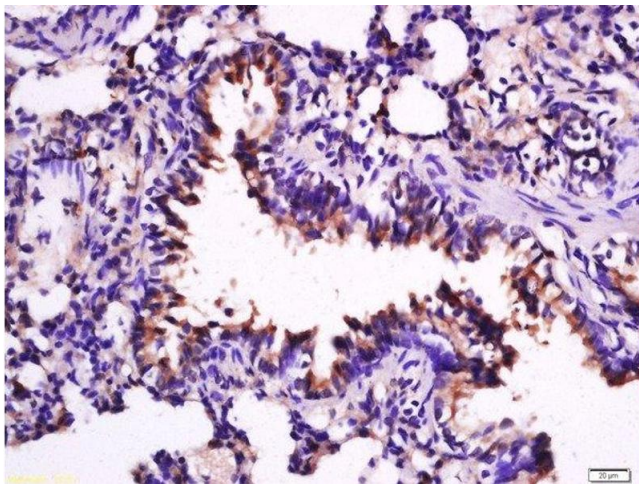
Demirtas, Turkmen, Kandemir, Ozkaraca, Kucukler, Gürbüz, Comaklı: "The possible role of interleukin-33 as a new player in the pathogenesis of contrast-induced nephropathy in diabetic rats." in: **Renal failure**, pp. 1-9, (2016) ([PubMed](#)).

Images



Flow Cytometry

Image 1. Mouse splenocytes probed with Rabbit Anti-IL-33 Polyclonal Antibody, PE-Cy5 Conjugated .



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Paraformaldehyde-fixed, paraffin embedded rat lung, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with Anti -IL-33 Polyclonal Antibody, Unconjugated at 1:200 overnight at 4°C, followed by a conjugated secondary for 90 minutes and DAB staining