Datasheet for ABIN902274

anti-IL18RAP antibody (AA 15-120) (Alexa Fluor 647)

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Overview

Quantity:	100 µL
Target:	IL18RAP
Binding Specificity:	AA 15-120
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL18RAP antibody is conjugated to Alexa Fluor 647
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human IL-18R beta
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Dog,Horse
Purification:	Purified by Protein A.

Target Details

Target:	IL18RAP
Alternative Name:	IL-18R Beta/CD218b (IL18RAP Products)
Background:	Synonyms: ACPL, CD218b, IL-1R7, IL18RB, CDw218b, IL-1R-7, IL-18RAcP, IL-1RAcPL, IL-

Target Details

	18Rbeta, IL-18R-beta, Interleukin-18 receptor accessory protein, IL-18 receptor accessory protein, Accessory protein-like, CD218 antigen-like family member B, IL-1R accessory protein-like, Interleukin-1 receptor 7, Interleukin-18 receptor accessory protein-like, Interleukin-18 receptor beta, IL18RAP, IL1R7 Background: Required for the high affinity binding of interleukin 18 (IL-18) to its receptor complex (By similarity). Together with IL18R1 mediates IL-18-dependent activation of NF-kappa-B and JNK.
Gene ID:	8807
UniProt:	O95256

Application Details

Application Notes:	FCM 1:20-100
Restrictions:	For Research Use only

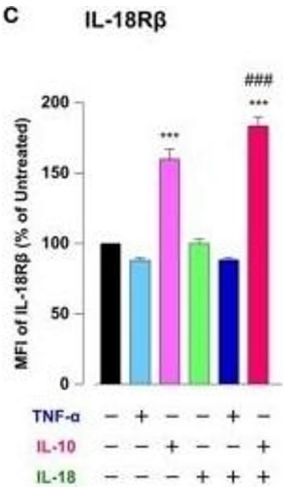
Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % 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:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:	Kobori, Hamasaki, Kitaura, Yamazaki, Nishinaka, Niwa, Nakao, Wake, Mori, Yoshino, Nishibori, Takahashi: "Interleukin-18 Amplifies Macrophage Polarization and Morphological Alteration, Leading to Excessive Angiogenesis." in: **Frontiers in immunology**, Vol. 9, pp. 334, (2019) (PubMed).

Images



Flow Cytometry

Image 1. Interleukin (IL)-18 amplifies macrophage (Mφ) M2 polarization and angiogenic capacity. (A) Representative FACS density plots for the expression of CD86 and CD163 in each Mφ subset. Upper, Mφ (-), middle, Mφ [tumor necrosis factor (TNF)-α], lower, Mφ (IL-10). The numbers in each quartile of the plots are percentages of each cell population. (B) Relative mean fluorescence intensities (MFIs) of CD54, CD86, CD163, and CD206 in each Mφ subset were measured by FACS analysis, n=3 (***p<0.001, *p<0.05 vs. untreated, ##p<0.01 vs. IL-10 alone). (C) Relative MFI of IL-18Rβ in each Mφ subset was determined by FACS analysis, n=4 (***p<0.001 vs. untreated, ###p<0.001 vs. IL-10 alone). (D,E) The total areas and lengths of tube-like structures measured by the Matrigel tube formation assay where b.End5 was cocultured with each Mφ subset, n=6 (***p<0.001, **p<0.01, *p<0.05 vs. untreated, ##p<0.01, #p<0.05 vs. IL-10 alone). (F) Representative pictures of tube-like structures visualized by calcein acetoxymethylester staining. Scale bar represents 100μm. All data are presented as means±SEM and were analyzed by a one-way ANOVA followed by Tukey's test. - figure provided by CiteAb. Source: PMID29559970