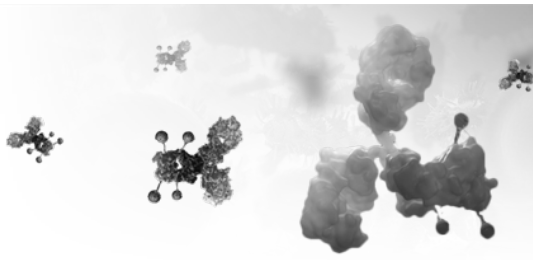

Rabbit Anti-Mouse IL-18Rα monoclonal antibody, clone S117 (CABT-ZB802)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with Mouse IL-18Rα
Target	IL18R1
Immunogen	Recombinant Mouse IL18R1 Protein
Isotype	IgG1
Source/Host	Rabbit
Species Reactivity	Mouse
Clone	S117
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB802 - CABT-ZB1099 This antibody will detect IL-18Rα in antibody pair set. [ABPR-ZB382]
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Mouse IL18R1.
Format	Purified, Liquid
Concentration	Lot specific
Size	50 µL, 100 µL, 1 mL

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Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	Interleukin-18 receptor 1 (IL18R1) also known as CD218 antigen-like family member A, CDw218a, IL1 receptor-related protein, and CD218a, is an interleukin receptor of the immunoglobulin superfamily. IL18R1 is found expressed in the lung, leukocytes, spleen, liver, thymus, prostate, small intestine, colon, placenta, and heart, and is absent from the brain, skeletal muscle, pancreas, and kidney. A high level of expression is found in Hodgkin disease cell lines. This receptor is specifically bound to interleukin 18 (IL18) and is essential for IL18 mediated signal transduction. IL18R1 contains 3 Ig-like C2-type (immunoglobulin-like) domains and 1 TIR domain. It is a single-pass type I membrane protein. IFN-alpha and IL12 are reported to induce the expression of this receptor in NK and T cells. The increased expression of IL18R1 may contribute pathogenically to disease and is therefore a potential therapeutic target. The absence of a genetic association in the IL18R1 gene itself suggests regulation from other parts of the genome, or as part of the inflammatory cascade in multiple sclerosis without a prime genetic cause.
Keywords	IL18RAP; interleukin 18 receptor accessory protein; ACPL; CD218b

GENE INFORMATION

Synonyms	IL18RAP; interleukin 18 receptor accessory protein; ACPL; CD218b; IL-1R7; IL18RB; CDw218b; IL-1R-7; IL-18RAcP; IL-1RAcPL
Entrez Gene ID	8807
UniProt ID	Q86XR7

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