



Mouse Anti-Human IL-18R α monoclonal antibody, clone NN16 (CABT-ZB972)

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

PRODUCT INFORMATION

| | |
|---------------------------|--|
| Specificity | It reacts with Human IL-18R α |
| Target | IL18R1 |
| Immunogen | Recombinant Human IL18R1 Protein |
| Isotype | IgG |
| Source/Host | Mouse |
| Species Reactivity | Human |
| Clone | NN16 |
| Purification | Protein A purified |
| Conjugate | Unconjugated |
| Applications | ELISA(det) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB625 - CABT-ZB972 This antibody will detect IL-18R α in antibody pair set. [ABPR-ZB204] |
| Preparation | This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human IL18R1. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography. |
| Format | Purified, Liquid |
| Concentration | Lot specific |

| | |
|---------------------|--|
| Size | 50 µL, 100 µL, 200 µL, 1 mL |
| 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 IL18R1; interleukin 18 receptor 1; CD218a; IL18RA

GENE INFORMATION

Synonyms IL18R1; interleukin 18 receptor 1; CD218a; IL18RA; IL1RRP; CDw218a; IL-1Rrp; interleukin-18 receptor 1; IL-18R1; IL1R-rp; IL-18R-1; IL18Ralpha2; cytokine receptor; IL1 receptor-related protein; CD218 antigen-like family member A

Entrez Gene ID [16182](#)

UniProt ID [Q61098](#)