

Anti-IL-18R alpha Antibody-PE (9P457)

Product Details

Ig Type:	Mouse IgG2a
Reactivity:	Human
Conjugation:	PE
Clone:	9P457
Purification:	Protein A

Applications

Verified Activity:	Flow cytometric analysis of Human IL18R1(CD218a) expression on human whole blood granulocytes. Cells were stained with PE-conjugated anti-Human IL18R1(CD218a). The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of viable granulocytes.
Application:	FCM
Recommended	5 µl/Test, 0.1 mg/ml

Properties

Stability & Storage:	Store at 2°C-8°C for 12 months, do not freeze. Keep away from direct sunlight. Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human IL18R1 protein (TMPY-01219)
Antigen Species:	Human
Synonyms:	IL-1Rrp;interleukin 18 receptor 1;IL18RA;CD218a;CDw218a;IL1RRP
Biology Area:	Neuroinflammation

Research Background

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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