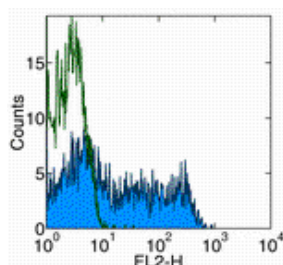


Anti-Human CD218a (IL-18 Receptor alpha) Purified

Catalog Number: 14-7183

Also Known As: IL-1R α

RUO: For Research Use Only. Not for use in diagnostic procedures.



Surface staining of normal human peripheral blood cells with Anti-Human CD218a (IL-18 Receptor alpha) PE. Appropriate isotype controls were used (open histogram). Cells in the lymphocyte population were used for analysis.

Product Information

Contents: Anti-Human CD218a (IL-18 Receptor alpha)
Purified

REF **Catalog Number:** 14-7183

Clone: H44

Concentration: 0.5 mg/mL

Host/Isotype: Mouse IgG1, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

Description

The H44 antibody reacts with the interleukin-18 receptor alpha chain, also known as IL-1R α , an IL-1R family member. IL-18R alpha is expressed on Th1 cells, NK cell subset, neutrophils and IL-12-stimulated tonsillar B cells. By itself, IL-18R alpha binds IL-18 with low affinity and when complexed with IL-18R beta chain binds IL-18 with high affinity. The proinflammatory cytokine IL-18 and its receptor complex play an important role in the innate and autoimmune responses.

Applications Reported

H44 has been reported for use in flow cytometric analysis, immunohistochemistry, immunoprecipitation, immunoblotting (WB), and *in vitro* neutralization.

Applications Tested

This H44 antibody has been tested by flow cytometric analysis on peripheral blood leukocytes and granulocytes. This can be used at less than or equal to 0.5 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

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Leung BP, Culshaw S, et al. A role for IL-18 in neutrophil activation. *J Immunol* 2001. 167:2879

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Tominaga, K., T. Yoshimoto, et al. IL-12 synergizes with IL-18 or IL-1 beta for INF-gamma production from human T cells. *Int. Immunol*. 2000 12:151.

Related Products

11-4011 Anti-Mouse IgG FITC

14-4714 Mouse IgG1 K Isotype Control Purified (P3.6.2.1)

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