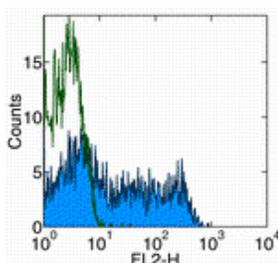


## Anti-Human CD218a (IL-18 Receptor alpha) PE

**Catalog Number:** 12-7183

**Also Known As:** IL-1Rrp

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



Surface staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control PE (cat. 12-4714) (open histogram) or Anti-Human CD218a (IL-18 Receptor alpha) PE (filled histogram). Cells in the lymphocyte gate were used for analysis.

### Product Information

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

**REF** **Catalog Number:** 12-7183

**Clone:** H44

**Concentration:** 5  $\mu$ L (0.25  $\mu$ g)/test

**Host/Isotype:** Mouse IgG1, kappa

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

 **Temperature Limitation:** Store at 2-8°C. Do not freeze. Light sensitive material.

**LOT** **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-1Rrp, 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.

### Applications Tested

This H44 antibody has been pre-titrated and tested by flow cytometric analysis on peripheral blood leukocytes and granulocytes. This can be used at 5  $\mu$ L (0.25  $\mu$ g) per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. Cell number should be determined empirically but can range from  $10^5$  to  $10^8$  cells/test.

### References

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

Chan, W. L., N. Pejnovic, et al. Human IL-18 receptor and ST2L are stable and selective markers for the respective type 1 and type 2 circulating lymphocytes. *J. Immunol*. 2001 167:1238

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### Related Products

12-4714 Mouse IgG1 K Isotype Control PE (P3.6.2.1)

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