

Biotin anti-human CD218a (IL-18R α)

Catalog # / Size: 313806 / 100 μ g

Clone: H44

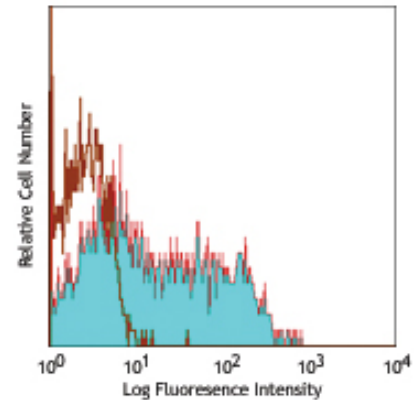
Isotype: Mouse IgG1, κ

Immunogen: Human NK cell line NK0 constitutively expressing IL-18 receptors

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.

Concentration: 0.5 mg/ml



Human peripheral blood lymphocytes stained with biotinylated H44, followed by Sav-PE

Applications:

Applications: FC - Quality tested
IHC - Reported in the literature

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤ 0.5 μ g per million cells in 100 μ l volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: The H44 antibody is specific for IL-18 receptor α chain. Additional reported applications (for the relevant formats) include: immunohistochemistry of acetone-fixed frozen sections¹.

Application References: 1. Kitasato Y, *et al.* 2004. *Am. J. Respir. Cell Mol. Biol.* 31:619. (IHC)
2. Vermot-Desroches C, *et al.* 2005. *Cell Immunol.* 236:101. (FC)

Description: IL-18 receptor is composed of an α and a β subunit that combine to form a high affinity receptor for IL-18. IL-18 receptor α chain, also known as CDw218a, is a 75-80 kD type I transmembrane protein. It is expressed on NK cells, neutrophils, endothelial cells, and subsets of T and B cells. The expression of CDw218a on lymphocytes is upregulated after activation. The interaction of IL-18 and IL-18 receptor has been reported to be implicated in promotion of Th1 cytokine production and atherogenesis.

Antigen References: 1. Torigoe K, *et al.* 1997. *J. Biol. Chem.* 272:25737.
2. Gerdes N, *et al.* 2002. *J. Exp. Med.* 195:245.
3. Airoidi I, *et al.* 2000. *J. Immunol.* 165:6880.

Related Products:

Product	Clone	Application
Biotin Mouse IgG1, κ Isotype Ctrl	MOPC-21	FC, ICFC
PE Streptavidin		FC, ICFC
Cell Staining Buffer		FC, ICC, ICFC
Human TruStain FcX™ (Fc Receptor Blocking Solution)		FC, ICC, ICFC



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