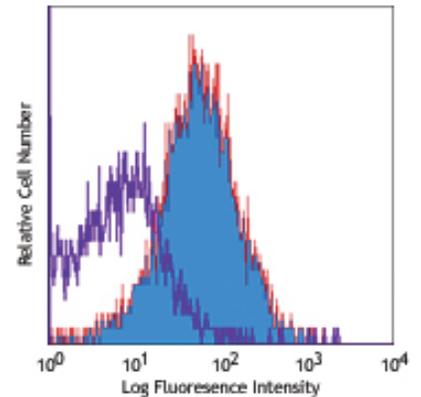


Purified anti-human CD218a (IL-18R α)

Catalog # / Size: 313804 / 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.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration: 0.5 mg/ml
Storage: The antibody solution should be stored undiluted at 4°C.



Human peripheral blood lymphocytes stained with purified H44, followed by biotinylated anti-mouse IgG and 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 ≤ 2.0 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
	Purified Mouse IgG1, κ Isotype Ctrl	MOPC-21	FC, ICFC, ICC, IF, IHC, IP, WB
	PE Goat anti-mouse IgG (minimal x-reactivity)	Poly4053	FC
	Cell Staining Buffer		FC, ICC, ICFC



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