

Biotin anti-mouse CD223 (LAG-3)

Catalog # / Size: 125205 / 50 µg
125206 / 500 µg

Clone: C9B7W

Isotype: Rat IgG1, κ

Immunogen: Murine CD223-Ig fusion protein

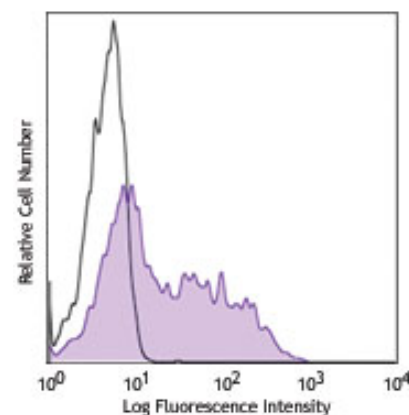
Reactivity: Mouse

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

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. **Do not freeze.**



ConA-stimulated (3days) C57BL/6 splenocytes were stained with biotinylated CD223 (clone C9B7W) (filled histogram) or rat IgG1 isotype control (open histogram), followed by Sav-PE.

Applications:

Applications: FC - Quality tested

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 ≤0.25 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application References: 1. Workman CJ, *et al.* 2002. *Eur. Immunol.* 32:2255. (IP, ELISA)
2. Workman CJ, *et al.* 2005. *J. Immunol.* 174:688. (FC)
3. Li N, *et al.* 2004. *J. Immunol.* 173:6806. (IP, ELISA)

Description: CD223, also known as LAG-3, is 70 kD type I transmembrane glycoprotein within the Ig superfamily. It is the gene product of lymphocyte activation gene-3 (Lag3) with structural similarity to CD4. CD223 is expressed on activated T cells and NK cells, as well as T regulatory cells. CD223, like CD4, binds MHC class II molecules, but with higher affinity than CD4. In association with the CD3 complex, CD223 has been shown as a negative regulatory molecule to inhibit TCR-mediated signaling and regulate homeostatic T cell expansion. In contrast to inhibition, CD223 has an activation function to promote immune responses by inducing MHC class II signaling in antigen presenting cells.

Antigen References: 1. Baixeras E *et al.* 1992. *J. Exp. Med.* 176:327.

Related Products:

Product
Cell Staining Buffer
Biotin Rat IgG1, κ Isotype Ctrl
TruStain fcX™ (anti-mouse CD16/32)

Clone

RTK2071
93

Application

FC, ICC, ICFC
FC, ICFC
FC



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