

Product Data Sheet

LEAF™ Purified anti-mouse CD223 (LAG-3)

Catalog # / Size: 125204 / 500 µg

Clone: C9B7W

Isotype: Rat IgG1, κ

Immunogen: Murine CD223-Ig fusion protein

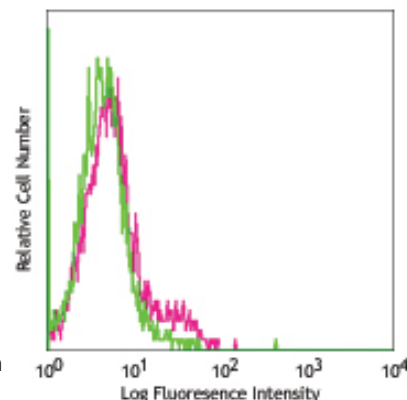
Reactivity: Mouse

Preparation: The LEAF™ (Low Endotoxin, Azide-Free) antibody was purified by affinity chromatography.

Formulation: 0.2 µm filtered in phosphate-buffered solution, pH 7.2, containing no preservative. Endotoxin level is <0.1 EU/µg of the protein (<0.01 ng/µg of the protein) as determined by the LAL test.

Concentration: 1.0 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C. This LEAF™ solution contains no preservative; handle under aseptic conditions.



ConA-activated C57BL/6 mouse splenocytes (3 days) stained with LEAF™ purified C9B7W, followed by anti-rat IgG FITC

Applications:

Applications: FC - Quality tested
FA, IP, ELISA - 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 ≤1.0 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
LEAF™ Purified Rat IgG1, κ Isotype Ctrl

Clone

RTK2071

Application

FC, ICC, ICFC
FC, ICFC, WB, IP, ICC, IF,
IHC, FA



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