SONY

Product Data Sheet

APC anti-human CD169 (Sialoadhesin, Siglec-1)

Catalog # / Size: 2330040 / 100 tests
2330035 / 25 tests

Clone: 7-239

Isotype: Mouse IgG1, κ

Immunogen: Human Rhinovirus (HRV14) infected, monocyte derived-DCs

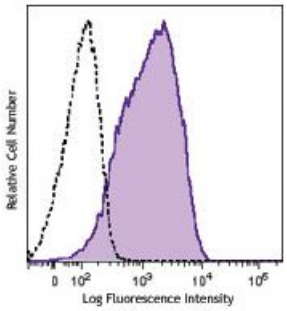
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).

Workshop Number: HCDM listed

Concentration: Lot-specific

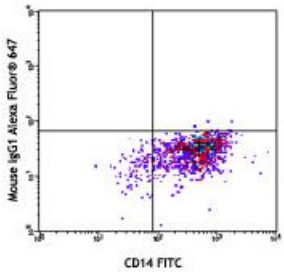


IFN-γ + TNF-α-stimulated human monocytes (day-3) were stained with CD169 (clone 7-239) APC (filled histogram) or mouse IgG1, κAPC isotype control (open histogram).

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µl per million cells or 5 µl per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.



Application Notes: Additional reported applications (for the relevant formats) include: Western blotting and inhibition of erythrocyte-rosetting with cells expressing CD169.

Application References:

1. Kirchberger S, *et al.* 2005. *J. Immunol.* 175:1145.
2. Schrauf C, *et al.* 2009. *J. Immunol.* 183:4440.

Description: CD169, also known as Siglec-1 and Sialoadhesin (Sn), is a 210 kD type I single membrane-spanning glycoprotein. It is the largest member of the Siglec family, consisting of 1709 amino acids and belonging to the immunoglobulin superfamily. CD169 is expressed by macrophages and dendritic cells. By its affinity to α2,3-linked sialic acid, it is involved in macrophage binding to different cell types such as granulocytes, monocytes, NK, B and T cells. Several CD169 counter receptors, such as CD227 on human breast cancer cells, CD43 on T cells and CD206 on macrophages, have been reported.

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Antigen References:

1. Xiong YS, *et al.* 2009. *Clin. Biochem.* 42:1057.
2. Varki A, *et al.* 2009. *Glycoconj J.* 26:231.
3. Rempel H, *et al.* 2008. *PLoS One.* 3:e1967.
4. Crocker PR, *et al.* 2001. *Trends Immunol.* 22:337.
5. Hartnell A, *et al.* 2001. *Blood* 97:288.

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