

Product Data Sheet

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

Catalog # / Size: 346002 / 100 µg

Clone: 7-239

Isotype: Mouse IgG1, κ

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

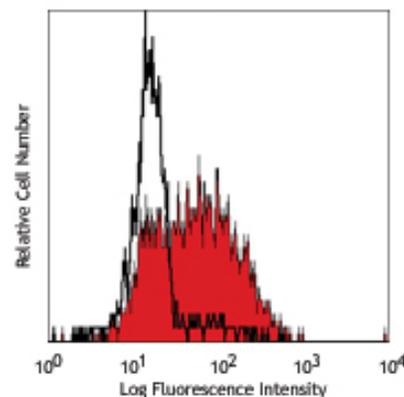
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography.

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.



IFN-γ + TNF-alpha; stimulated human monocytes (day-3) stained with 7-239 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 ≤ 0.5 µg per 10⁶ cells in 100 µl volume. 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.

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.

Related Products:

Product
Purified Mouse IgG1, κ Isotype Ctrl
Cell Staining Buffer
RBC Lysis Buffer (10X)

Clone
MOPC-21

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



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