

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

Catalog # / Size: 2330015 / 25 tests
2330020 / 100 tests

Clone: 7-239

Isotype: Mouse IgG1, κ

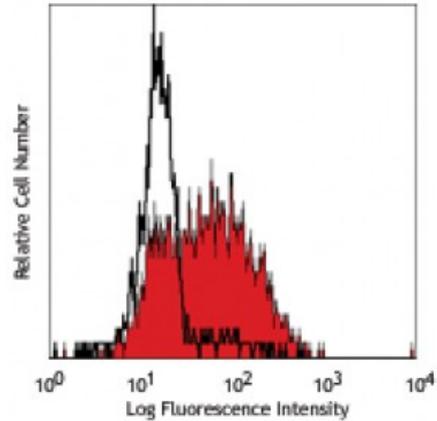
Immunogen: Human Rhinovirus (HRV14) infected, monocyte derived-DCs

Reactivity: Human

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

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Concentration: Lot-specific



IFN- γ + TNF- α stimulated human monocytes (day-3) stained with 7-239 PE

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 microL to 5 microL per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 microL staining volume or per 100 microL 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.
3. Heikema AP, *et al.* 2013. *Infect Immun.* 81:2095. [PubMed](#)

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 α 2,3-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. *T*