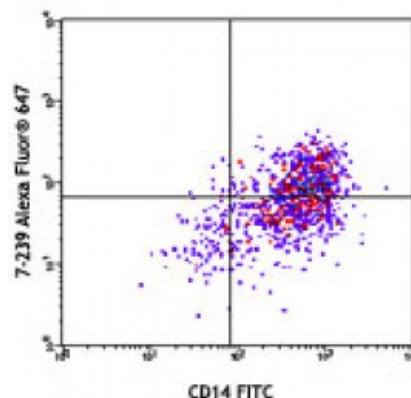


Alexa Fluor® 647 anti-human CD169 (Sialoadhesin, Siglec-1)

Catalog # / Size:	2330030 / 100 tests 2330025 / 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 Alexa Fluor® 647 under optimal conditions.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Concentration:	Lot-specific



Human peripheral blood monocytes were stimulated with TNF- α plus IFN- γ for 3 days, then stained with CD14 FITC and CD169 (clone 7-239) Alexa Fluor® 647 (top) or mouse IgG1, κ Alexa Fluor® 647 isotype control (bottom).

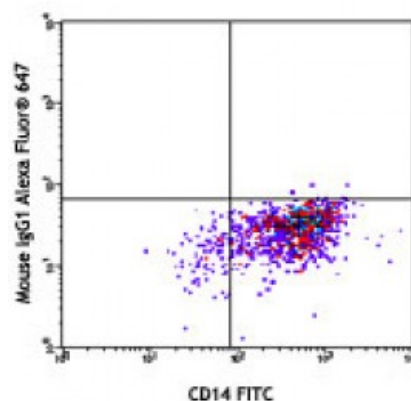
Applications:

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 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633 nm / 635 nm.

Application Notes:	Additional reported applications (for the relevant formats) include: Western blotting and inhibition of erythrocyte-rosetting with cells expressing CD169.
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Application References:	1. Kirchberger S, <i>et al.</i> 2005. <i>J. Immunol.</i> 175:1145. 2. Schrauf C, <i>et al.</i> 2009. <i>J. Immunol.</i> 183:4440.
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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*