

Product Data Sheet

Purified anti-human CD9

Catalog # / Size: 312102 / 100 µg

Clone: HI9a

Isotype: Mouse IgG1, κ

Workshop Number: V P018

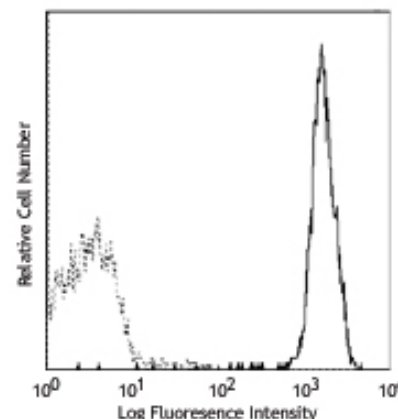
Reactivity: Human, **Cross-Reactivity*:** Horse (Equine), Cattle (Bovine, Cow), Sheep (Ovine), Dog (Canine), Rabbit (Lapine)

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.



Human platelets stained with purified HI9a, then detected with anti-mouse IgGs FITC

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, it is recommended to use at ≤ 0.5 µg per 10⁶ cells in 100 µl volume or 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Application References: 1. Schlossman S, *et al.* Eds. 1995. Leucocyte Typing V. Oxford University Press. New York.

Description: CD9 is a 24 kD type III transmembrane protein also known as tetraspanin, MRP-1 and DRAP-24. It is a member of the tetraspan family (spanning the membrane four times) found on platelets, B cell progenitors, activated lymphocytes, granulocytes, endothelial cells and epithelial cells. CD9 induces adhesion, platelet aggregation, and B cell development. CD9 has been shown to associate with CD63, CD81, CD82, and CD36 and to bind to β₁ integrins.

Antigen References: 1. Miao WM, *et al.* 2001 *Blood* 97:1689.
 2. Ellerman DA, *et al.* 2003 *Mol. Biol. Cell.* (Epub ahead of print).
 3. Schlossman S, *et al.* Eds. 1995. Leucocyte Typing V. Oxford University Press. New York.

Related Products:

Product
 Purified Mouse IgG1, κ Isotype Ctrl

APC Goat anti-mouse IgG (minimal x-reactivity)

Biotin Goat anti-mouse IgG (minimal x-reactivity)

FITC Goat anti-mouse IgG (minimal x-reactivity)

PE Goat anti-mouse IgG (minimal x-reactivity)

Cell Staining Buffer

RBC Lysis Buffer (10X)

Clone

MOPC-21

Poly4053

Poly4053

Poly4053

Poly4053

Application

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

FC

FC, ELISA, IHC, IF, WB

FC

FC

FC, ICC, ICFC

FC, ICFC



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