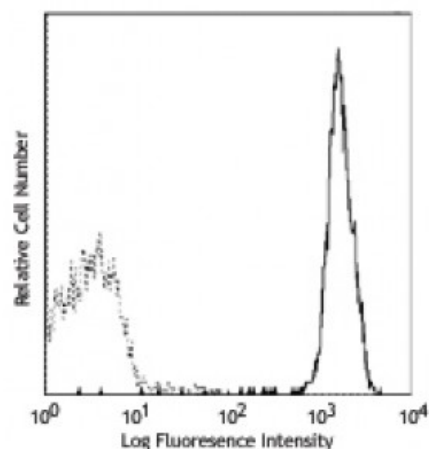


Purified anti-human CD9

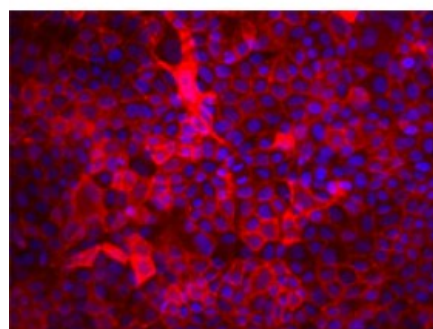
Catalog # / Size: 2160510 / 100 µg
Clone: HI9a
Isotype: Mouse IgG1, κ
Reactivity: Human
Preparation: The antibody was purified by affinity chromatography.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Workshop Number: V P018
Concentration: 0.5



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

Applications:

Applications: Flow Cytometry
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 microg per 10^6 cells in 100 microL volume or 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.



BT474 breast cancer cell line was stained with anti-human CD9, detected with anti-mouse DyLight™ 649, and nuclear counterstained with DAPI. Images were acquired with a TE300 fluorescence microscope with a 20x objective. Data provided by: Er Liu and

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 β_1 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.

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