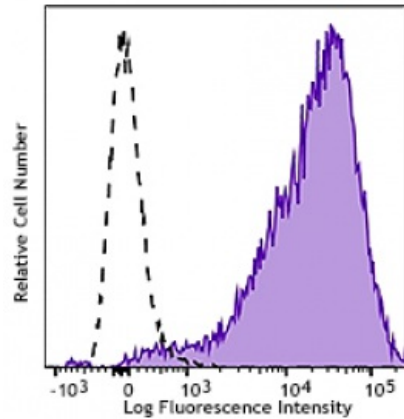


PE/Cy7 anti-human CD9

Catalog # / Size:	2160575 / 25 tests 2160580 / 100 tests
Clone:	HI9a
Isotype:	Mouse IgG1, κ
Reactivity:	Human, Non-human primate
Preparation:	The antibody was purified by affinity chromatography and conjugated with PE/Cy7 under optimal conditions. The solution is free of unconjugated PE/Cy7 and unconjugated antibody.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Workshop Number:	V P018
Concentration:	Lot-specific



Human platelets were stained with CD9 (clone HI9a) PE/Cy7 (filled histogram) or mouse IgG1, κ PE/Cy7 isotype control (open histogram).

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 μ l per million cells or 5 μ l per 100 μ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
Application References:	1. Miao WM, <i>et al.</i> 2001 <i>Blood</i> 97:1689. 2. Ellerman DA, <i>et al.</i> 2003 <i>Mol. Biol Cell.</i> (Epub ahead of print). 3. Schlossman S, <i>et al.</i> Eds. 1995. <i>Leucocyte Typing V.</i> 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. New York.