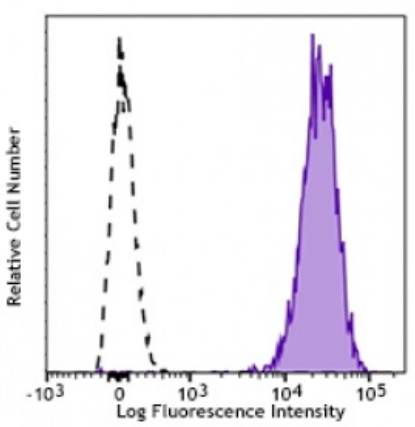
SONY

Product Data Sheet

Biotin anti-human CD9

Catalog # / Size:	2160560 / 100 µg
Clone:	HI9a
Isotype:	Mouse IgG1, κ
Reactivity:	Human,Non-human primate
Preparation:	The antibody was purified by affinity chromatography and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Workshop Number:	V P018
Concentration:	0.5 mg/ml



Human platelets were stained with biotinylated CD9 (clone HI9a, filled histogram) or biotinylated mouse IgG1, ÃŽÂº isotype control (open histogram), followed by SAV PE.

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 ≤0.6 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.
Application 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.

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.

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