

## Technical Data Sheet

### PB Anti-Human CD9

**Catalog Number:** 109601, 109602  
**Size:** 25 tests, 100 tests  
**Target Name:** CD9, MRP-1, Tetraspanin-29, DRAP-24  
**Regulatory Status:** RUO

#### Product Details

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**Clone:** HI9a  
**Application:** FC  
**Reactivity:** Human  
**Format:** PB  
**Isotype:** Mouse IgG1  
**Antibody Type:** Monoclonal  
**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA  
**Protein Concentration:** Supplied at a lot-specific concentration.  
**Storage&Handling:** The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.  
**Recommended Usage:** For flow cytometric staining, it is recommended to use 5 uL of this reagent per 0.5-1.0 million cells in a 100 µL volume. Optimal reagent performance should be determined by titration for each specific application.  
**Excitation Laser:** Violet laser (405nm)

#### Background Information

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CD9 is a ~24 kDa cell surface glycoprotein that belongs to the tetraspanin family, a group of membrane proteins characterized by four transmembrane domains. It is also known as Motility-Related Protein-1 (MRP-1), Tetraspanin-29, or DRAP-24. CD9 is widely expressed on hematopoietic and non-hematopoietic cells and participates in multiple biological processes including adhesion, migration, signaling, and immune regulation.