

## Technical Data Sheet

### iF488 Anti-human CD9

**Catalog Number:** 109603, 109604

**Size:** 25 tests, 100 tests

**Target Name:** CD9, MRP-1, Tetraspanin-29, DRAP-24

**Regulatory Status:** RUO

#### Product Details

---

**Clone:** HI9a

**Application:** FC

**Reactivity:** Human

**Format:** iF488

**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:** Blue Laser (488 nm)

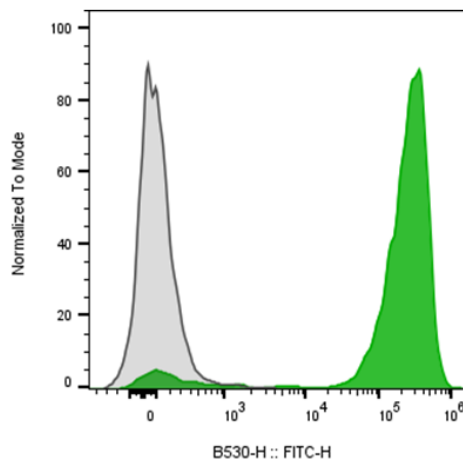
#### Background Information

---

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.

#### Product Data

---



Human peripheral blood lymphocytes stained with either iF488 Anti-human CD9 clone HIB9a (green histogram) or an isotype control (gray histogram).