

## PerCP/Cyanine5.5 Anti-Human CD9 Antibody[HI9a]

Catalog Number: E-AB-F1086J

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

|                                |  |
|--------------------------------|--|
| <b>Reactivity</b>              | Human  |
| <b>Host</b>                    | Mouse  |
| <b>Isotype</b>                 | Mouse IgG1, κ  |
| <b>Clone No.</b>               | HI9a   |
| <b>Isotype Control</b>         | PerCP/Cyanine5.5 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792J]   |
| <b>Conjugation</b>             | PerCP/Cyanine 5.5  |
| <b>Conjugation Information</b> | PerCP/Cyanine5.5 is designed to be excited by the blue laser (488 nm) and detected using an optical filter centered near 675 nm (e.g., a 690/50 nm bandpass filter). |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA.   |

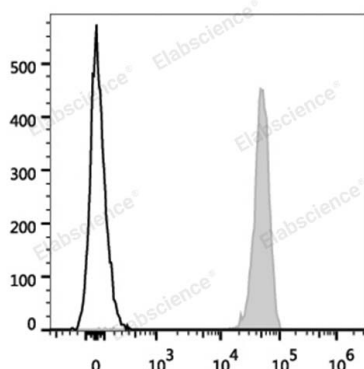
### Applications

### Recommended usage

#### FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. **The amount of the reagent is suggested to be used 5 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

### Data



Human platelets are stained with PerCP/Cyanine5.5 Anti-Human CD9 Antibody (filled gray histogram). Unstained platelets (empty black histogram) are used as control.

### Preparation & Storage

|                 |   |
|-----------------|---|
| <b>Storage</b>  | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze. |
| <b>Shipping</b> | Ice bag   |

### Antigen Information

|                        |   |
|------------------------|---|
| <b>Alternate Names</b> | TSPAN29;5H9 antigen;CD9;CD9 antigen;Cell growth-inhibiting gene 2 protein; Leukocyte antigen MIC3;MIC3;MRP-1;Tspan-29;p24 |
| <b>Uniprot ID</b>      | P21926  |
| <b>Gene ID</b>         | 928   |

### For Research Use Only

## Background

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  $\beta$ 1 integrins.