

## APC Anti-Human CD146 Antibody[P1H12]

Catalog Number: GFH00323E

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

### Description

|                         |                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                      |
| Host                    | Mouse                                                                                                                                                      |
| Isotype                 | Mouse IgG2a, $\kappa$                                                                                                                                      |
| Clone No.               | P1H12                                                                                                                                                      |
| Isotype Control         | APC Mouse IgG2a, $\kappa$ Isotype Control[C1.18.4] [Product E-AB-F09802E]                                                                                  |
| Conjugation             | APC                                                                                                                                                        |
| Conjugation Information | APC is designed to be excited by the Red (627-640 nm) laser and detected using an optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter). |
| Storage Buffer          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide.                                                                                        |

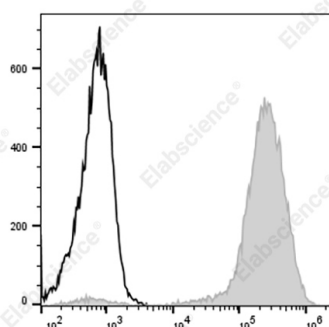
### Applications

### 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  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L of whole blood).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

### Data



Staining of the HeLa cell line with APC Anti-Human CD146 Antibody[P1H12] (filled gray histogram) or APC Mouse IgG2a, $\kappa$  Isotype Control (empty black histogram). Total viable cells were used for analysis.

### Preparation & Storage

|          |                                                                                                                                                           |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage  | 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. |
| Shipping | Ice bag                                                                                                                                                   |

### Antigen Information

|                 |                            |
|-----------------|----------------------------|
| Alternate Names | Muc-18;MCAM;Mel-CAM;S-endo |
| Uniprot ID      | P43121                     |
| Gene ID         | 4162                       |

### For Research Use Only

## Background

CD146 is a 118 kD integral transmembrane glycoprotein that is also known as MUC18, S-Endo, MCAM, and Mel-CAM (melanoma cell adhesion molecule). It belongs to the immunoglobulin superfamily. CD146 is expressed on melanoma cells, epithelial cells, endothelial cells, fibroblasts, activated T cells, multipotent mesenchymal stromal cells, and activated keratinocytes. CD146 mediates heterophilic cell adhesion and regulates monocyte transendothelial migration. The ligand of CD146 remains to be identified.