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## APC Anti-Human CD146 Antibody[AA98]

Catalog Number: E-AB-F1417E

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

## Description

Reactivity Human Host Mouse

**Isotype** Mouse IgG2a, κ

Clone No. AA98

**Isotype Control** APC Mouse IgG2a, κ 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).

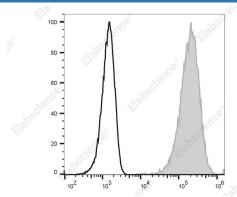
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

## 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 Hela cells with APC Anti-Human CD146 Antibody[AA98] (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.

This product can be stored at 2-8  $^{\circ}\text{C}$  for 12 months. Please protected from prolonged

Rev. V1.8

exposure to light and do not freeze.

Shipping Ice bag

## **Antigen Information**

 Uniprot ID
 P43121

 Gene ID
 4162

## For Research Use Only

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## **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.