

A Reliable Research Partner in Life Science and Medicine

## Elab Fluor® 700 Anti-Human CD146 Antibody[AA98]

Catalog Number: E-AB-F1417M1

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

#### **Description**

Reactivity Human Mouse Host

Isotype Mouse IgG2a, ĸ

**AA98** Clone No.

Isotype Control Elab Fluor<sup>®</sup> 700 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09802M1]

Conjugation Elab Fluor®700

**Conjugation Information** Elab Fluor® 700 is designed to be excited by the Red laser (627-640 nm) and detected

using an optical filter centered near 719 nm (e.g., a 725/40 nm bandpass filter).

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

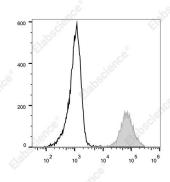
#### **Applications** Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. The amount **FCM** 

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



Staining of the Hela cells with Elab Fluor® 700 Anti-Human CD146 Antibody[AA98](filled gray histogram) or Elab Fluor® 700 Mouse IgG2a, κ 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°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;MeI-CAM;S-endo

**Uniprot ID** P43121 Gene ID 4162

### For Research Use Only

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# Elabscience®

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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.

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