

**APC anti-human CD146 (MUC18, Mel-CAM)**

**Catalog # / Size:** 2310060 / 100 tests  
2310055 / 25 tests

**Clone:** SHM-57

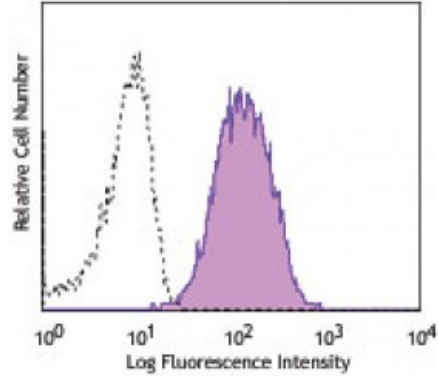
**Isotype:** Mouse IgG2a, κ

**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions. The solution is free of unconjugated APC and unconjugated antibody.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

**Concentration:** Lot-specific



Human cervical cancer cell line, Hela, stained with CD146 (clone SHM-57) APC (filled histogram) or mouse IgG2a, κ APC isotype control (open histogram).

**Applications:**

**Applications:** Flow Cytometry

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 microL to 5 microL per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 microL staining volume or per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

**Application References:** 1. Headland SE, *et al.* 2014. *Sci Rep.* 4:5237. [PubMed](#)

**Description:** CD146 is a 118 kD integral transmembrane glycoprotein 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.

**Antigen References:**

1. Pickl WF, *et al.* 1997. *J. Immunol.* 158:2107
2. Weninger W, *et al.* 2000. *J. Invest. Dermatol.* 115:219
3. Sorrentino A, *et al.* 2008. *Exp. Hematol.* 36:1035
4. Bardin N, *et al.*