

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

## 30-2907: Anti-Hu CD49c APC Mab (ASC-1)

Clonality: Monoclonal **Clone Name:** ASC-1 Application: **FACS** Reactivity: Human Conjugate: APC Gene: ITGA3 Gene ID: 3675 **Uniprot ID:** P26006

Alternative Name: ITGA3, VLA-3 alpha, FRP-2, FRP2, GAPB3

**Isotype:** Mouse IgG1 kappa

Immunogen Information: Human SSC-9 cell line (squamous cell carcinoma)

## **Description**

Specificity: The mouse monoclonal antibody ASC-1 recognizes an extracellular epitope of CD49c (integrin alpha 3), a transmembrane glycoprotein composed of disulfide linked 125 kDa and 30 kDa chains, and expressed on adherent cell lines and to a lesser extent on T and B cells and monocytes.

CD49c / Integrin alpha 3 is a type I transmembrane glycoprotein proteolytically cleaved into two disulfide linked chains. It noncovalently associates with CD29 (integrin beta 1) to form the VLA-3 complex, an adhesion receptor for extracellular matrix components (fibronectin, laminin 1, laminin 5, entactin, and collagen). It is expressed on adherent cells, mainly on fibroblasts, epithelial cells and endothelial cells.

## **Product Info**

Amount: 100 tests

Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions

**Purification:** and unconjugated antibody and free fluorochrome are removed by size-exclusion

chromatography.

**Content:** Storage Buffer: Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide

**Storage condition:** Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

## **Application Note**

Flow cytometry: The reagent is designed for analysis of human blood cells using 10  $\mu$ l reagent / 100  $\mu$ l of whole blood or 10<sup>6</sup> cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.



9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

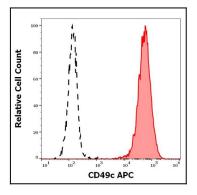


Figure 1: Separation of HeLa cells stained using anti-human CD49c (ASC-1) APC antibody ( $10 \ \hat{l} \ | \ l$  reagent per million cells in  $100 \ \hat{l} \ | \ l$  of cell suspension, red-filled) from HeLa cells stained using mouse IgG1 isotype control (MOPC-21) APC antibody (concentration in sample 1.67  $\ \hat{l} \ | \ l$  g/ml, same as CD49c APC concentration, black-dashed) in flow cytometry analysis (surface staining).