

Product Data Sheet

Biotin anti-human CD49a

Catalog # / Size: 328306 / 100 µg

Clone: TS2/7

Isotype: Mouse IgG1, κ

Immunogen: Human CTL line

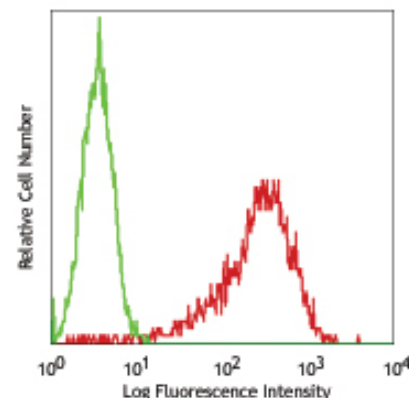
Reactivity: Human

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

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C. **Do not freeze.**



Human cervical cancer cell line, Hela, stained with biotinylated TS2/7, followed by Sav-PE

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤0.5 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications include: immunoprecipitation (1) and immunohistochemical staining (1) of acetone-fixed frozen tissue sections

Application References: 1. Hemler ME, *et al.* 1984. *J. Immunol.* 132:3011
 2. Hemler ME, *et al.* 1985. *J. Biol. Chem.* 260:15246

Description: CD49a is a 200 kD type I transmembrane glycoprotein also known as α₁ integrin, VLA-1 α chain, or Integrin α₁. It associates with CD29 (β₁ integrin) to form VLA-1 complex, a collagen IV and alminin-1 receptor and that is expressed on activated T cells, monocytes, NK cells, smooth muscle cells, neuronal cells, fibroblasts, and mesenchymal cells. CD49a is an adhesion molecule and is involved in the regulation of leukocyte migration, T cell proliferation, and cytokine production.

Antigen References: 1. Zola H, *et al.* Eds. 2007. *Leukocyte and Stromal Cell Molecules: The CD Markers*. Wiley-Liss Press. p122
 2. Boiret N, *et al.* 2005. *Exp. Hematol.* 33:219

Related Products:

Product
 Biotin Mouse IgG1, κ Isotype Ctrl
 Cell Staining Buffer
 RBC Lysis Buffer (10X)
 Human TruStain FcX™ (Fc Receptor Blocking Solution)

Clone
 MOPC-21

Application
 FC, ICFC
 FC, ICC, ICFC
 FC, ICFC
 FC, ICC, ICFC



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