

30-2773: Anti-Hu CD49a Purified (Clone: TS2/7)

Clonality :	Monoclonal
Clone Name :	TS2/7
Application :	FACS
Reactivity :	Human
Gene :	ITGA1
Gene ID :	3672
Uniprot ID :	P56199
Format :	Purified
Alternative Name :	integrin subunit alpha 1 alpha 1 integrin, VLA-1 alpha, ITGA1
Immunogen Information :	human CTL line

Description

CD49a is the alpha 1 chain of VLA integrin complex (together with CD29, serving as the beta 1 chain), and is expressed on activated T cells, monocytes, NK cells, cultured neuronal cells, melanoma cells, mesenchymal cells (including smooth muscle cells), fibroblasts, hepatocytes, and microvascular endothelium. It binds to collagen IV and laminin 1. It is important for leukocyte migration into tissues. It is upregulated in inflammatory tissues, such as inflamed intestine.

Specificity :The mouse monoclonal antibody TS2/7 recognizes an extracellular epitope of CD49a, the alpha 1 chain of VLA integrin complex, that serves as an adhesion receptor for collagen IV and laminin 1.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography.
Content :	Storage Buffer: Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow cytometry: Recommended dilution: 1-4 $\mu\text{g/ml}$.

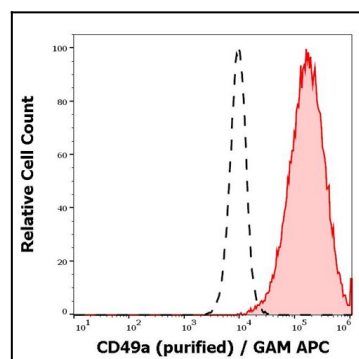


Figure 1: Separation of HeLa cells stained using anti-CD49a (TS2/7) purified antibody (GAM APC, red-filled) from HeLa cells unstained by primary antibody (GAM APC, black-dashed) in flow cytometry analysis (surface staining).