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30-2774: Anti-Hu CD49a PE

Clonality :	Monoclonal
Clone Name :	TS2/7
Application :	FACS
Reactivity :	Human, Non-human primates
Conjugate :	PE
Gene :	ITGA1
Gene ID :	3672
Uniprot ID :	P56199
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 inflammed 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 :	100 Tests
Purification :	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Content :	Concentration: 1 mg/ml Storage Buffer: 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 ÃÂµl reagent / 100 ÃÂµl of whole blood or 10^6 cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.