



CD29 Antibody [TS2/16] (PE)

CATALOG NUMBER: 76-793

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	FACS
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	The TS2/16 monoclonal antibody specifically reacts with human CD29 (Integrin beta1), a 130 kDA type I glycoprotein expressed on hematopoietic and non-hematopoietic cells.
HOST SPECIES:	Mouse

Properties

PURIFICATION:	The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.
PHYSICAL STATE:	liquid
BUFFER:	Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, pH7.2.
CONCENTRATION:	20 uL (0.25 ug) / test
STORAGE CONDITIONS:	The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze.
CLONALITY:	Monoclonal
ISOTYPE:	Mouse IgG1, kappa
CONJUGATE:	PE

Additional Info

ALTERNATE NAMES:	CD29, FNRR, MDF2, VLAB, GPIIA, MSK12, VLA-BETA, ITGB1
OFFICIAL SYMBOL:	ITGB1
GENE ID:	3688

Background

BACKGROUND:	The TS2/16 monoclonal antibody specifically reacts with human CD29 (Integrin beta1), a 130 kDA type I glycoprotein expressed on hematopoietic and non-hematopoietic cells. It forms the VLA-(1-6) molecules with integrin alpha-(1-6) and is involved in the adhesion between cell-cell and cell-matrix. The TS2/16 antibody has been found to activate beta 1 integrins.
REFERENCES:	<p>1) Ridger, V. C., Wagner, B. E., Wallace, W. A., Hellewell, P. G. (2001). Differential effects of CD18, CD29, and CD49 integrin subunit inhibition on neutrophil migration in pulmonary inflammation. <i>The Journal of Immunology</i>, 166(5), 3484-3490.</p> <p>2) Noto, K., Kato, K., Okumura, K., Yagita, H. (1995). Identification and functional characterization of mouse CD29 with a mAb. <i>International immunology</i>, 7(5), 835-842.</p> <p>3) Sangaletti, S., Di Carlo, E., Gariboldi, S., Miotti, S., Cappetti, B., Parenza, M., ... Colombo, M. P. (2008). Macrophage-derived SPARC bridges tumor cell-extracellular matrix interactions toward metastasis. <i>Cancer research</i>, 68(21), 9050-9059.</p>

