

## Anti-Human CD29 (Integrin beta 1) Purified

Catalog Number :11311-20

RUO: For Research Use Only. Not for use in diagnostic procedures.

### Product Information

**Clone:** TS2/16

**Format/Conjugate:** Purified

**Concentration:** 0.5 mg/mL

**Reactivity:** Human

**Laser:** Not Applicable

**Peak Emission:** Not Applicable

**Peak Excitation:** Not Applicable

**Filter:** Not Applicable

**Brightness (1=dim,5=brightest):** Not Applicable

**Isotype:** Mouse IgG1, kappa

**Formulation:** Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, pH7.2

**Storage:** Product should be kept at 2-8°C.

**Applications:** FC, IHC, FA, IHP

### Description

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.

### Preparation & Storage

The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography.

### Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.

### References

1. Hemler, M. E., Sanchez-Madrid, F., Flotte, T. J., Krensky, A. M., Burakoff, S. J., Bhan, A. K., ... Strominger, J. L. (1984). Glycoproteins of 210,000 and 130,000 mw on activated T cells: cell distribution and antigenic relation to components on resting cells and T cell lines.;The Journal of Immunology,132(6), 3011-3018.
2. Schlossman, S. F. (1995).;Leucocyte typing V: White cell differentiation antigens: Proceedings of the Fifth International Workshop and Conference, Held in Boston, USA 3-7 November, 1993. Oxford University Press.
3. Sanchez-Madrid, F., Krensky, A. M., Ware, C. F., Robbins, E., Strominger, J. L., Burakoff, S. J., Springer, T. A. (1982). Three distinct antigens associated with human T-lymphocyte-mediated cytotoxicity: LFA-1, LFA-2, and LFA-3.Proceedings of the National Academy of Sciences,;79(23), 7489-7493.