

## Product datasheet for **TA320394**

### Integrin beta 1 (ITGB1) Mouse Monoclonal Antibody [Clone ID: TS2/16]

#### Product data:

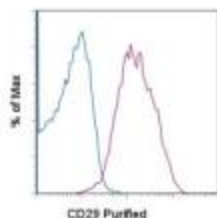
Product Type:	Primary Antibodies
Clone Name:	TS2/16
Applications:	FC
Recommended Dilution:	Flow, IHC, Functional Assay, IP
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	integrin subunit beta 1
Database Link:	<a href="#">NP_002202</a> <a href="#">Entrez Gene 3688 Human P05556</a>
Background:	The TS2/16 monoclonal antibody reacts with human CD29, also known as integrin beta 1, an approximately 130 kDa single-pass transmembrane glycoprotein. CD29 complexes with one of nine integrin alpha subunits to form the very late antigen (VLA) subfamily of adhesion molecules. Integrin heterodimers containing CD29 are involved in cell-cell and cell-matrix adhesion. CD29 is expressed broadly on lymphocytes and monocytes, with lower levels of expression on granulocytes. The TS2/16 antibody has been found to possess activating activity for beta 1 integrins.
Synonyms:	CD29; FNRB; GPIIA; MDF2; MSK12; VLA-BETA; VLAB
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane



[View online »](#)

**Protein Pathways:**

Arrhythmogenic right ventricular cardiomyopathy (ARVC), Axon guidance, Cell adhesion molecules (CAMs), Dilated cardiomyopathy, ECM-receptor interaction, Focal adhesion, Hypertrophic cardiomyopathy (HCM), Leukocyte transendothelial migration, Pathogenic Escherichia coli infection, Pathways in cancer, Regulation of actin cytoskeleton, Small cell lung cancer

**Product images:**

Staining of normal human peripheral blood cells with 0.125 ug of Mouse IgG1 kappa Isotype Control Purified (blue histogram) or 0.125 ug of Anti-Human CD29 Purified (purple histogram) followed by F(ab')<sub>2</sub> Anti-Mouse IgG PE. Cells in the lymphocyte gate were used for analysis.