

## Product datasheet for **TA320392**

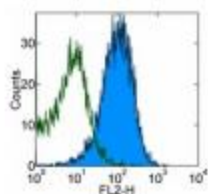
### **Itgb1 Hamster Monoclonal Antibody [Clone ID: eBioHMb1-1 (HMb1-1)]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	eBioHMb1-1 (HMb1-1)
<b>Applications:</b>	FC
<b>Recommended Dilution:</b>	Flow, Functional Assay, IP
<b>Reactivity:</b>	Mouse, Rat
<b>Host:</b>	Hamster
<b>Clonality:</b>	Monoclonal
<b>Formulation:</b>	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Affinity purified
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Gene Name:</b>	integrin beta 1 (fibronectin receptor beta)
<b>Database Link:</b>	<a href="#">NP_034708</a> <a href="#">Entrez Gene 24511 Rat</a> <a href="#">Entrez Gene 16412 Mouse</a> <a href="#">P09055</a>
<b>Background:</b>	The eBioHMb1-1 monoclonal antibody reacts with mouse and rat CD29 (integrin beta 1), a 110-120 kDa member of the beta integrin family expressed by leukocytes, endothelial, smooth muscle and epithelial cells. CD29 binds non-covalently with the alpha integrins CD49a-f to form the VLA-1 through VLA-6 complexes, as well as with CD51. These alpha-beta integrin heterodimers are capable of mediating a variety of cellular responses including adhesion, trafficking, proliferation and differentiation. All integrins which include CD29 bind to extracellular matrix proteins including collagen, laminin, fibronectin and vitronectin, whereas some CD29-containing integrins can also interact with cellular receptors such as VCAM-1 and MadCAM-1.
<b>Synonyms:</b>	CD29; FNRB; GPIIA; MDF2; MSK12; VLA-BETA; VLAB



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**Product images:**

Staining of C57Bl/6 thymocytes with 0.5 ug of Armenian Hamster IgG Isotype Control Purified (open histogram) or 0.5 ug of Anti-Mouse/Rat CD29 Purified (filled histogram) followed by Anti-Armenian Hamster IgG Biotin and Streptavidin PE. Total viable cells were used for analysis.