

## Product datasheet for **TA320398**

### Integrin beta 4 (ITGB4) Rat Monoclonal Antibody [Clone ID: 439-9B]

#### Product data:

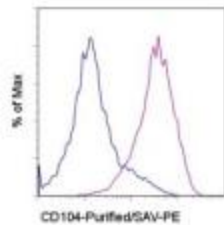
Product Type:	Primary Antibodies
Clone Name:	439-9B
Applications:	FC
Recommended Dilution:	Flow, IHC, IP, WB
Reactivity:	Human
Host:	Rat
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	integrin subunit beta 4
Database Link:	<a href="#">NP_000204</a> <a href="#">Entrez Gene 3691 Human P16144</a>
Background:	The monoclonal antibody 439-9B recognizes human CD104, also known as integrin beta 4. CD104 is a 202 kDa subunit that associates with integrin alpha 6 (CD49f), thereby forming the laminin receptor. Multiple splice variants have been identified. Expression is found on epithelial cells and tumor cells and has been shown to be involved in cell-matrix and cell-cell interactions. The role of CD104 in tumorigenicity is well established. The monoclonal antibody 439-9B has been reported to have no effect on adhesion of human colon adenocarcinoma cells. Moreover, this antibody crossreacts to bovine.
Synonyms:	CD104; GP150
Protein Families:	Druggable Genome



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**Protein Pathways:**

Arrhythmogenic right ventricular cardiomyopathy (ARVC), Dilated cardiomyopathy, ECM-receptor interaction, Focal adhesion, Hypertrophic cardiomyopathy (HCM), Regulation of actin cytoskeleton

**Product images:**

Staining of the A549 cell line with 0.5 ug of Rat IgG2b K Isotype Control Purified (open histogram) or 0.5 ug of Anti-Human CD104 (Integrin beta 4) Purified (filled histogram) followed by Anti-Rat IgG Biotin and Streptavidin PE. Total viable cells were used for analysis.