

## Product datasheet for **TA320307**

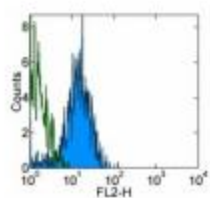
### **Cdh5 Rat Monoclonal Antibody [Clone ID: eBioBV13 (BV13)]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	eBioBV13 (BV13)
Applications:	FC
Recommended Dilution:	Flow, IHC, Functional Assay, IP, WB
Reactivity:	Mouse
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:	cadherin 5
Database Link:	<a href="#">NP_033998</a> <a href="#">Entrez Gene 12562 Mouse P55284</a>
Background:	The BV13 monoclonal antibody reacts with mouse VE-Cadherin (CD144). VE-Cadherin is a 120 kDa member of the type II Cadherin family, characterized by the presence of 5 extracellular cadherin domains (ECD), and anchored to the actin cytoskeleton through their cytoplasmic tail. VE-Cadherin mediates homophilic adhesion between neighbouring endothelial cells and is localized within specialized structures at cell-cell contacts, called adherens junctions. VE-Cadherin is expressed constitutively throughout the entire vasculature, and is required for numerous endothelial cell functions including migration, survival, contact-dependent growth inhibition and endothelial cell assembly into tubular structures. Furthermore, it is thought that VE-Cadherin+CD45- cells from the yolk sac or aorta-gonad-mesonephros (AGM) have the potential to give rise to hematopoietic cells.
Synonyms:	7B4; CD144; FLJ17376; VE-cadherin



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**Product images:**

Staining of bEnd.3 cell line with 0.5 ug of Rat IgG1 K Isotype Control Purified (open histogram) or 0.5 ug of Anti-Mouse CD144 (VE-Cadherin) Purified (filled histogram) followed by F (ab')<sub>2</sub> Anti-Rat IgG PE. Total viable cells were used for analysis.