

Product datasheet for **AM08161PU-N**

CD51 (ITGAV) Mouse Monoclonal Antibody [Clone ID: 13C2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	13C2
Applications:	FC, IHC
Recommended Dilution:	Flow Cytometry: $\leq 1 \mu\text{g}/10^6$ cells (Reported in literature 7,9,10) Immunohistochemistry on Frozen Sections (Reported in literature 1,5) Immunocytochemistry (Reported in literature 3). Immunoprecipitation (Reported in literature 2,3,5,9) ELISA (Reported in literature 8) Purification (Reported in literature 4,5). Depletion (Reported in literature 7) Blocking (Reported in literature 3,6). Adhesion (Reported in literature 3).
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Cell suspension containing osteoclasts from osteoclastomas.
Specificity:	This antibody recognizes CD51.
Formulation:	100 mM Borate Buffered Saline, pH 8.2. No preservatives or amine-containing buffer salts added. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	integrin subunit alpha V



[View online »](#)

Database Link: [Entrez Gene 3685 Human P06756](#)

Background: Integrin alpha V chain interacts with the integrin beta 3 subunit/CD61 to form the alpha-V-beta-3 heterodimer/vitronectin receptor. It is expressed on endothelial cells, some activated leukocytes, NK cells, macrophages, neutrophils, and platelets. Integrin alpha V also forms heterodimers with the integrin beta 1, beta 5, beta 6, and beta 8 subunits. Alpha-V-beta-3 is an activation dependent receptor for platelet attachment and spreading on vitronectin and other matrix components. In case of HIV-1 infection, the interaction with extracellular viral Tat protein seems to enhance angiogenesis in Kaposi's sarcoma lesions. Alpha-V/beta-6 binds to foot-and-mouth disease virus (FMDV) VP1 protein and acts as a receptor for this virus. By similarity. Alpha-V/beta-6 binds to coxsackievirus A9 and coxsackievirus B1 capsid proteins and acts as a receptor for these viruses. It also mediates leukocyte-endothelial cell adhesion via interaction with CD31. (Ref.1-4)

Synonyms: Integrin alpha-V, MSK8, VNRA, Vitronectin receptor subunit alpha