



11 Park Drive, Suite 12  
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## Rat anti mouse CD106 (VCAM1) (Azide-free & Low endotoxin)

### ORDERING INFORMATION

Catalog Number:	gAP-0022
Size:	1.00 mg
Storage:	< -20° C
Immunogen:	Mouse stromal cells from bone marrow
Ig Type:	Rat IgG1
Clone	AP-MAB0829
Endotoxin Level	< 0.002EU/μg IgG*
Applications:	FC, IP, IHC (Frozen) & Blocking cell adhesion

**Description:** CD106 is a 110 kD glycosylphosphatidylinositol (GPI)-linked transmembrane protein, also known as VCAM-1 and INCAM-110. It is constitutively expressed on bone marrow stromal cells, myeloid progenitors, splenic dendritic cells, activated endothelial cells, as well as some lymphocytes. CD106 expression can be upregulated on endothelial cells by inflammatory cytokines. CD106 is involved in adhesion and acts as a counter-receptor for VLA-4 ( $\alpha 4/\beta 1$  integrin) and LPAM-1 ( $\alpha 4/\beta 7$  integrin).

**Preparation:** This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat immunized with **Mouse stromal cells from bone marrow**).

**Formulation:** The IgG fraction of **culture supernatant** was purified by Protein A/G affinity chromatography and lyophilized from a 0.2 μm filtered solution in phosphate-buffered saline (PBS, **Azide Free**).

**Reconstitution:** Reconstitute the antibody with sterile PBS and the reconstituted antibody can be aliquoted and stored frozen at < -20 for at least for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.** Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C.

**\*Endotoxin Level:** Extremely low level of LPS (< 0.002EU/μg IgG)

### Application(s):

1. FC
2. IHC (frozen)
3. Blocking adhesion of lymphocyte to bone marrow stromal cells.
4. Inducing leucocytosis

\* The antibody is produced by in vitro culture.

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