

# VCAM-1/CD106 Antibody (Center)

**ALTERNATE NAMES:** VCAM1; L1CAM; Vascular cell adhesion protein 1; INCAM-100;

**CATALOG #:** 6783-100

**AMOUNT:** 100 µl

**HOST/ISOTYPE:** Rabbit

**IMMUNOGEN:** This CD106 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 295-322 amino acids from the Central region of human CD106.

**MOLECULAR WEIGHT:** ~81.276 kDa

**FORM:** Liquid

**FORMULATION:** In PBS with 0.09% (W/V) sodium azide.

**PURIFICATION:** This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

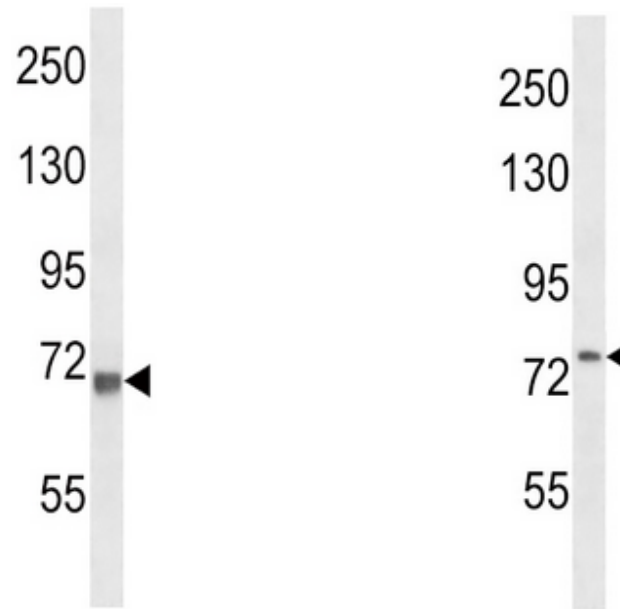
**SPECIES REACTIVITY:** Human, Mouse.

**STORAGE CONDITIONS:** Maintain refrigerated at 2-8°C for up to 6 months. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

**DESCRIPTION:** Cell adhesion molecules are a family of closely related cell surface glycoproteins involved in cell-cell interactions during growth and are thought to play an important role in embryogenesis and development. Neuronal cell adhesion molecule (NCAM) expression is observed in a variety of human tumors including neuroblastoma, rhabdomyosarcoma, Wilms' tumors, Ewing's sarcomas and some primitive myeloid malignancies. The intracellular adhesion molecule-1 (ICAM-1), also referred to as CD54, is an integral membrane protein of the immunoglobulin superfamily and recognizes the B2â1 and B2âM integrins. PECAM-1 (platelet/endothelial cell adhesion molecule-1), also referred to as CD31, is a glycoprotein expressed on the cell surfaces of monocytes, neutrophils, platelets and a subpopulation of T cells. VCAM-1 (vascular cell adhesion molecule-1) was first identified as an adhesion molecule induced on human endothelial cells by inflammatory cytokines such as IL-1, tumor necrosis factor (TNF) and lipopolysaccharide (LPS). The KALIG gene encodes a nerve cell adhesion molecule (NCAM) -like protein and is deleted in 66% of patients with Kallmann's syndrome, anosmia with secondary hypogonadism.

**APPLICATION:** WB: 1:1000.

**Note:** This information is only intended as a guide. The optimal dilutions must be determined by the user



CD106 Antibody western blot analysis in mouse NIH-3T3 cell line lysates (35 µg/lane).

CD106 Antibody western blot analysis in HepG2 cell line lysates (35 µg/lane).

**RELATED PRODUCTS:**

- VCAM-1 Antibody (Clone # 6G9) (Cat # 6784-50)
- Human CellExp™ VCAM-1, Human Recombinant (Cat # 7211-10, -50)
- VCAM-1 (human) ELISA Kit (Cat # K7211-100)
- VCAM-1 (mouse) ELISA Kit (Cat # K7212-100)

**FOR RESEARCH USE ONLY! Not to be used on humans.**

