

Product datasheet for **AP22317BT-N**

VCAM1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Direct ELISA: To detect Human VCAM-1 by direct ELISA (using 100 µl/well antibody solution) a concentration of 0.25–1.0 µg/ml of this antibody is required. This biotinylated polyclonal antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2–0.4 ng/well of recombinant Human VCAM-1. Sandwich ELISA: To detect Human VCAM-1 by Sandwich ELISA (using 100µl/well antibody solution) a concentration of 0.25-1.0 µg/ml of this antibody is required. This antigen Biotin purified antibody, in conjunction with Affinity Anti-Human VCAM-1 (cat.-No AP22317PU-N or AP22317PU-S) as a capture antibody, allows the detection of at least 0.2-0.4 ng/well of ecombinant Human VCAM-1. Western Blot: To detect Human VCAM-1 by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Human VCAM-1 is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure HEK293 cells derived Recombinant Human CD106 / VCAM1
Specificity:	Recognizes Human CD106 / VCAM1.
Formulation:	PBS, pH 7.2 without preservatives Label: Biotin State: Lyophilized (sterile filtered) purified Ig fractionin
Reconstitution Method:	Centrifuge vial prior to opening. Restore in sterile PBS containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity Chromatography
Conjugation:	Biotin



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Storage: Prior to reconstitution store at 2-8°C.
Following reconstitution store undiluted at 2-8°C for one month
or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

Gene Name: vascular cell adhesion molecule 1

Database Link: [Entrez Gene 7412 Human P19320](#)

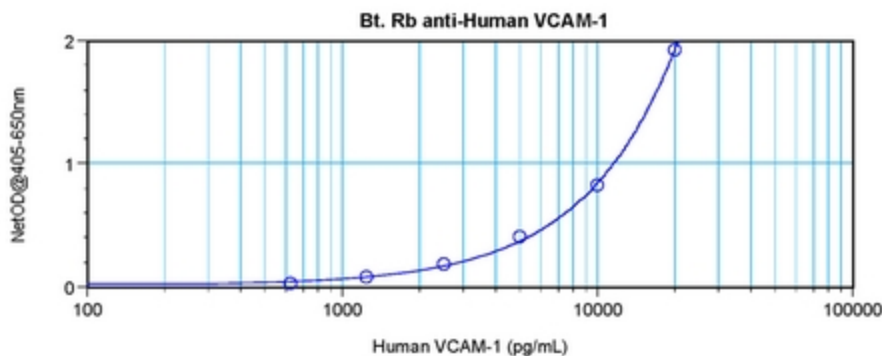
Background: CD106 (also known as vascular cell adhesion molecule-1 (VCAM-1) and INCAM-110) is a member of the Ig superfamily of adhesion molecules and is expressed at high levels on cytokine stimulated vascular endothelial cells, and at minimal levels on unstimulated endothelial cells. It is also present on follicular and interfollicular dendritic cells of lymph nodes, myoblasts, and some macrophages. CD106 serves as a ligand for leukocyte integrin alphaBeta (VLA-4 or CD49d/CD29) and mediates cell adhesion of leukocytes to activated endothelium. It plays a role in tumor metastasis.

Synonyms: V-CAM 1, INCAM-100, L1CAM, VCAM-1

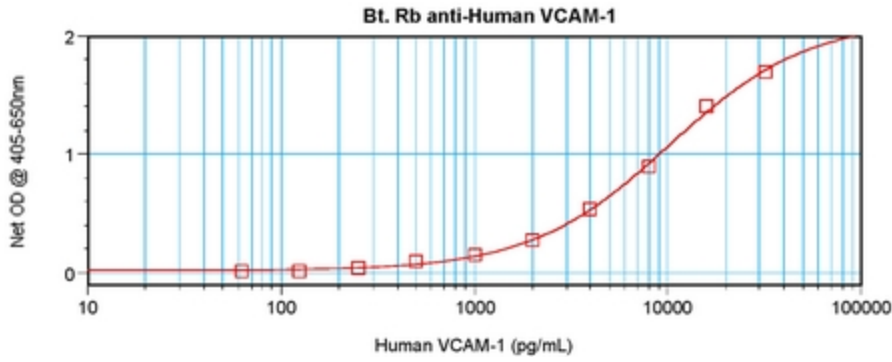
Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

Protein Pathways: Cell adhesion molecules (CAMs), Leukocyte transendothelial migration

Product images:



Direct ELISA using CD106 / VCAM1 Antibody Cat.-
No AP22317BT



Sandwich ELISA using CD106 / VCAM1 Antibody
Cat.-No AP22317BT