

Product datasheet for **AP22317PU-N**

VCAM1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Sandwich ELISA: To detect Human VCAM-1 by Sandwich ELISA (using 100µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with Biotinylated Anti-Human VCAM-1 (AP22317BT-N or AP22317BT-S) as a detection antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant 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 hVCAM-1 is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly purified recombinant Human VCAM-1
Specificity:	Recognizes Human VCAM-1.
Formulation:	PBS, pH 7.2 without preservatives. State: Aff - Purified State: Lyophilized (sterile filtered) purified Ig fraction.
Purification:	Affinity chromatography employing immobilized Human VCAM-1 matrix.
Conjugation:	Unconjugated
Storage:	Store the antibody prior to reconstitution at -20°C. Following reconstitution the antibody can be stored at 2-8°C for one month or 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



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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