

Goat anti-VCAM1 Antibody

Item Number	dAP-2845
Target Molecule	Principle Name: VCAM1; Official Symbol: VCAM1; All Names and Symbols: VCAM1; vascular cell adhesion molecule 1; CD106; INCAM-100; CD106 antigen; vascular cell adhesion protein 1; Accession Number (s): NP_001069.1; NP_001186763.1; Human Gene ID(s): 7412; Non-Human GeneID(s):
Immunogen	TQIDSPLSGKVRSE, is from internal region This antibody is expected to recognize isoform a (NP_001069.1) and isoform c (NP_001186763.1).
Applications	Pep ELISA, WB Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 64000.
Western Blot	Western Blot: Approx 85kDa band observed in Human Uterus lysates (calculated MW of 81.3kDa according to NP_001069.1). Recommended concentration: 1-3µg/ml.
IHC	

Reference	Reference(s): Lu X, Mu E, Wei Y, Riethdorf S, Yang Q, Yuan M, Yan J, Hua Y, Tiede BJ, Lu X, Haffty BG, Pantel K, Massagué J, Kang Y. VCAM-1 promotes osteolytic expansion of indolent bone micrometastasis of breast cancer by engaging $\alpha 4 \beta 1$ -positive osteoclast progenitors. Cancer Cell. 2011 Dec 13;20(6):701-
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Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**