

DESCRIPTION

Species Reactivity	Human
Specificity	Detects VCAM-1/CD106 in Western blots. VCAM-1/CD106 has been screened using CHO cells transfected with cDNAs for ICAM-1 and VCAM-1.
Source	Polyclonal Goat Serum
Purification	N/A
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human VCAM-1
Formulation	Lyophilized from a 0.2 µm filtered solution in Serum. See Certificate of Analysis for details.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	1:1000 dilution	Recombinant Human VCAM-1/CD106 (Catalog # 809-VR)
Immunohistochemistry	1:200 dilution	Immersion fixed paraffin-embedded sections of human kidney subjected to Antigen Retrieval Reagent-Basic (Catalog # CTS013)

PREPARATION AND STORAGE

Reconstitution	Reconstitute in 0.5 mL of sterile water.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Vascular cell adhesion molecule (VCAM-1) is expressed on the surface of activated endothelial cells and macrophages. It binds to leukocyte integrins VLA-4 and α4 β7 to promote leukocyte adhesion at sites of inflamed vasculature.