

## DESCRIPTION

|                           |   |
|---------------------------|---|
| <b>Species Reactivity</b> | Human   |
| <b>Specificity</b>        | Detects recombinant human VCAM-1 in direct ELISAs and Western blots.  |
| <b>Source</b>             | Monoclonal Mouse IgG <sub>1</sub> Clone # HAE-2Z  |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant  |
| <b>Immunogen</b>          | Human VCAM-1  |
| <b>Formulation</b>        | Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.<br>*Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS. |

## 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.

| Human VCAM-1/CD106 Sandwich Immunoassay |               | Reagent   |
|---|---------------|---|
| <b>ELISA Capture</b>                    | 2-8 µg/mL     | Human VCAM-1/CD106 Antibody (Catalog # MAB809)              |
| <b>ELISA Detection</b>                  | 0.1-0.4 µg/mL | Human VCAM-1/CD106 Biotinylated Antibody (Catalog # BAF809) |
| <b>Standard</b>                         |               | Recombinant Human VCAM-1/CD106 (Catalog # 809-VR)           |

## PREPARATION AND STORAGE

|                                |   |
|--------------------------------|---|
| <b>Reconstitution</b>          | Reconstitute at 0.5 mg/mL in sterile PBS.   |
| <b>Shipping</b>                | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.<br>*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C  |
| <b>Stability &amp; Storage</b> | <p><b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b></p> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul> |

## 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 α4β7 to promote leukocyte adhesion at sites of inflamed vasculature.