

## DESCRIPTION

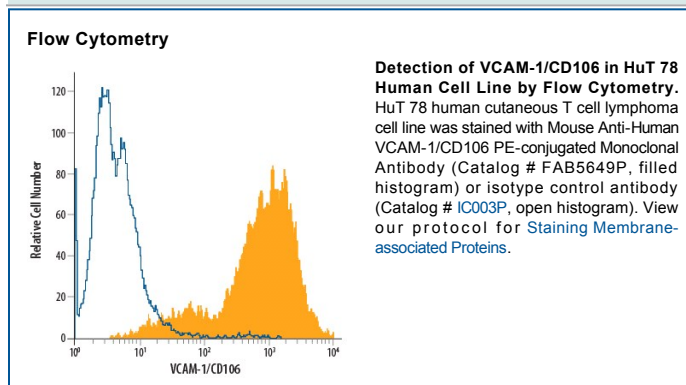
<b>Species Reactivity</b>	Human
<b>Specificity</b>	The antibody was screened using COS cells transfected with cDNAs for E-Selectin, VCAM-1, ICAM-1 and PECAM-1 and was shown to be specific for human VCAM-1/CD106.
<b>Source</b>	Monoclonal Mouse IgG <sub>2A</sub> Clone # IE10
<b>Purification</b>	Protein A or G purified from ascites
<b>Immunogen</b>	Activated HUVEC human umbilical vein endothelial cells
<b>Conjugate</b>	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm
<b>Formulation</b>	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.  *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

## 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
<b>Flow Cytometry</b>	10 $\mu$ L/10 <sup>6</sup> cells	See Below

## DATA



## PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

## BACKGROUND

Vascular cell adhesion molecule 1 (VCAM-1) is expressed on the surface of activated endothelial cells and macrophages. It binds to leukocyte integrins VLA-4 and  $\alpha$ 4 $\beta$ 7 to promote leukocyte adhesion at sites of inflamed vasculature.