

## DESCRIPTION

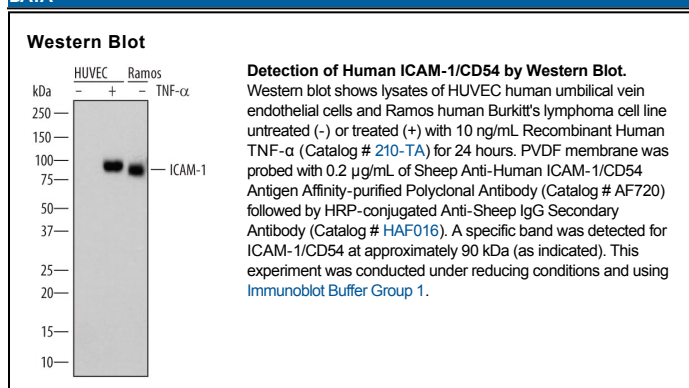
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Selected for its ability to block the adhesion of HSB-2 cells to immobilized recombinant human (rh) ICAM-1. In direct ELISAs, approximately 5% cross-reactivity with rhICAM-3 is observed and less than 2% cross-reactivity with rhICAM-2, rhICAM-4, rhICAM-5, recombinant rat ICAM-1, recombinant mouse ICAM-1, and rhVCAM-1 is observed.
<b>Source</b>	Polyclonal Sheep IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	Chinese hamster ovary cell line CHO-derived recombinant human ICAM-1 Extracellular domain
<b>Endotoxin Level</b>	<0.20 EU per 1 µg of the antibody by the LAL method.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied 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.

	Recommended Concentration	Sample
<b>Western Blot</b>	0.2 µg/mL	See Below
<b>Adhesion Blockade</b>	The adhesion of HSB2 human peripheral blood acute lymphoblastic leukemia cells (5 x 10 <sup>4</sup> cells/well) to immobilized recombinant human ICAM-1/Fc Chimera (12.5 µg/mL, 100 µL/well) was maximally inhibited (80–100%) by 25 µg/mL of the antibody.	

## DATA



## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.2 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. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <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

Intercellular Adhesion Molecule-1 (ICAM-1) binds the leukocyte integrins LFA-1 and Mac-1. ICAM-1 expression is weak on leukocytes, epithelial and resting endothelial cells, as well as some other cell types, but expression can be stimulated by IFN-γ, TNF-α, IL-1β and LPS. Soluble ICAM-1 is found in a biologically active form in serum, probably as a result of proteolytic cleavage from the cell surface, and is elevated in patients with various inflammatory syndromes such as septic shock, LAD, cancer and transplantation.