

DESCRIPTION

Species Reactivity	Human
Specificity	Detects recombinant human (rh)ICAM-1 in direct ELISAs and Western blots. In Western blots, shows no cross-reactivity with rriICAM-1, rhICAM-2, rhICAM-3, rhVCAM-1, and rmDCC.
Source	Monoclonal Mouse IgG ₁ Clone # 14C11
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human ICAM-1 Extracellular domain
Formulation	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
Western Blot	1 µg/mL	Recombinant Human ICAM-1/CD54 (Catalog # ADP4) under non-reducing conditions only
Human ICAM-1/CD54 Sandwich Immunoassay		Reagent
ELISA Capture	2-8 µg/mL	Human ICAM-1/CD54 Antibody (Catalog # MAB720)
ELISA Detection	0.1-0.4 µg/mL	Human ICAM-1/CD54 Biotinylated Antibody (Catalog # BAF720)
Standard		Recombinant Human ICAM-1/CD54 (Catalog # ADP4)

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	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
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

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 upregulated upon cell activation.