

ICAM-1 Monoclonal Antibody (YN1/1.7.4), Pacific Blue™

Catalog NumberA15404

Product data sheet

| Details | | Species Reactivity | |
|--------------------|---------------------|---|-------------------|
| Size | 100 µg | Species reactivity | Mouse, Pig |
| Host/Isotope | Rat / IgG2b, kappa | Published species | Not Applicable |
| Class | Monoclonal | Tested Applications | |
| Type | Antibody | Dilution * | |
| Clone | YN1/1.7.4 | Flow Cytometry (Flow) | 1 µg/1x10^6 cells |
| Immunogen | Mouse NS-1 cells | <div>* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.</div> | |
| Conjugate | Pacific Blue™ | | |
| Form | Liquid | | |
| Concentration | 0.5 mg/mL | | |
| Purification | purified | | |
| Storage buffer | PBS | | |
| Contains | <0.1% sodium azide | | |
| Storage Conditions | 4° C, store in dark | | |

Background/Target Information

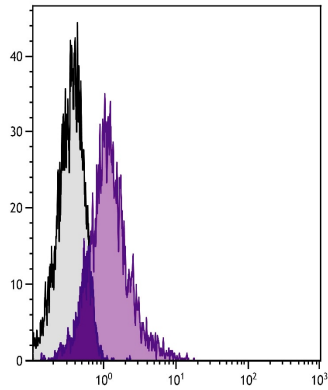
ICAM-1 (CD54) is an 85-110 kDa single-chain type 1 integral membrane glycoprotein with an extracellular domain of five immunoglobulin superfamily repeats, a transmembrane region and a cytoplasmic domain. ICAM-1 has 7 potential N-linked glycosylation sites and shares considerable amino acid sequence homology with ICAM-3 (CD50) and ICAM-2 (CD102). ICAM-1 binds to integrins of type CD11a/CD18 (leukocyte adhesion molecule, LFA-1), or CD11b/CD18 (Mac-1) and is exploited by Rhinovirus as a receptor. ICAM-1 is expressed by activated endothelial cells and detected on epithelial cells, fibroblasts, chondrocytes, B lymphocytes, T lymphocytes (low), monocytes, macrophages, dendritic cells and neutrophils, with lower levels that increase upon inflammation. ICAM-1 is also detected in some carcinoma and melanoma cells. Soluble ICAM-1 is detectable in the plasma and is elevated in patients with various inflammatory syndromes.

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ICAM-1 Antibody (A15404) in Flow

Flow cytometry analysis of ICAM-1 in C57BL/6 mouse splenocytes. Cells were stained using ICAM-1 Monoclonal Antibody (YN1/1.7.4), Pacific Blue™ (Product # A15404).

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