

DESCRIPTION

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| Species Reactivity | Human |
| Specificity | Detects human ICAM-3/CD50 in Western blots. Does not cross-react with recombinant human (rh) ICAM-1 or rhVCAM-1. |
| Source | Monoclonal Mouse IgG ₁ Clone # Cal 3.10 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | Recombinant human ICAM-3/CD50 Fc Chimera |
| Endotoxin Level | <0.10 EU per 1 µg of the antibody by the LAL method. |
| Formulation | Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. |

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-3/CD50 Fc Chimera (Catalog # 715-IC) |
| Flow Cytometry | 2.5 µg/10 ⁶ cells | Human peripheral blood neutrophils |
| CyTOF-ready | Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation. | |
| Adhesion Blockade | Bossy, D. <i>et al.</i> (1995) Eur. J. Immunol. 25 :459. | |

PREPARATION AND STORAGE

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| Reconstitution | Sterile PBS to a final concentration of 0.5 mg/mL. |
| Shipping | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. |
| 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-3 (ICAM-3), a member of the immunoglobulin superfamily, binds the leukocyte integrins LFA-1 (CD11a/CD18) and α_v/β₂. ICAM-3 is expressed on leukocytes and epidermal Langerhans cells. It may play an important role in T cell stimulation by Langerhans cells. ICAM-3 has not been identified in mice.

References:

1. Hayflick, J. *et al.* (1998) Immunologic Res. **17**:313.