

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human ICAM-3/CD50 in ELISAs and Western blots. In Western blot, approximately 2% cross-reactivity with recombinant human PECAM is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human ICAM-3/CD50 Gln30-His485 Accession # CAA49473
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. 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	0.1 µg/mL	Recombinant Human ICAM-3/CD50 Fc Chimera (Catalog # 715-IC)
Human ICAM-3/CD50 Sandwich Immunoassay		Reagent
ELISA Capture	2-8 µg/mL	Human ICAM-3/CD50 Antibody (Catalog # BBA15)
ELISA Detection	0.1-0.4 µg/mL	Human ICAM-3/CD50 Biotinylated Antibody (Catalog # BAF813)
Standard		Recombinant Human ICAM-3/CD50 Fc Chimera (Catalog # 715-IC)

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
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; also known as CD50), a member of the immunoglobulin superfamily, binds the leukocyte integrins LFA-1 (CD11a/CD18) and α_4/β_2 . 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 the mouse.

References:

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