

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse ICAM-2 in direct ELISAs and Western blots. In direct ELISAs, less than 5% cross-reactivity with recombinant human ICAM-2 and recombinant rat ICAM-1 and less than 1% cross-reactivity with recombinant mouse (rm) VCAM-1, rmlCAM-5, and rmlCAM-1
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse ICAM-2 Ser20-Gln222 Accession # P35330
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Adhesion Blockade	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Intercellular Adhesion Molecule-2 (ICAM-2, also known as CD102), a member of the immunoglobulin superfamily, binds the leukocyte integrins LFA-1 (CD11a/CD18) and Mac-1 (CD11b/CD18). ICAM-2 is constitutively expressed at high levels on vascular endothelial cells and lymphohematopoietic cells. ICAM-2 mediated adhesion has been shown to provide a co-stimulatory signal for T cell aggregation, NK cytotoxicity and NK cell migration. The mouse and human ICAM-2 proteins share 60% amino acid identity. Human LFA-1 binds equally well to human or mouse ICAM-2.

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