



# Anti-ICAM1 monoclonal antibody, clone 277734 (DCABY-4036)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	Intercellular adhesion molecule 1 (ICAM-1), also known as CD54, 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 stimulated by IFN-gamma, TNF-alpha, IL-1 beta and LPS. Soluble ICAM-1 is found in a biologically active form in serum, probably as a result of proteolytic cleavage from the cell surface.
<b>Specificity</b>	Detects mouse ICAM-1 in ELISAs and Western blots. In Western blots, this antibody shows weak cross-reactivity with recombinant human (rh) ICAM-1 and rmICAM-2 and no cross-reactivity with rhCD31, rmDCC, rhICAM-2, rhICAM-3, rrlCAM-1, rmMAdCAM-1, or rmVCAM-1.
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant mouse ICAM-1. Gln28-Asn485 Accession Number P13597
<b>Isotype</b>	IgG2b
<b>Source/Host</b>	Rat
<b>Species Reactivity</b>	Mouse
<b>Clone</b>	277734
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Western Blot, ELISA Capture (Matched Pair)
<b>Format</b>	Liquid
<b>Size</b>	500 µg

<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
<b>Preservative</b>	None
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month from date of receipt, 2 to 8 °C, reconstituted. 6 months from date of receipt, -20 to -70 °C, reconstituted.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Icam1 intercellular adhesion molecule 1 [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	ICAM1
<b>Synonyms</b>	ICAM1; intercellular adhesion molecule 1; CD54; Ly-47; Icam-1; MALA-2; myD10;
<b>Entrez Gene ID</b>	<a href="#">15894</a>
<b>Protein Refseq</b>	<a href="#">NP_034623</a>
<b>UniProt ID</b>	<a href="#">P13597</a>
<b>Chromosome Location</b>	9 A3; 9 7.69 cM
<b>Pathway</b>	Adaptive Immune System; African trypanosomiasis; Cell adhesion molecules (CAMs); Cytokine Signaling in Immune system; Epstein-Barr virus infection; Extracellular matrix organization; HTLV-I infection; IL-2 Signaling Pathway;
<b>Function</b>	integrin binding; protein complex binding;