



Anti-ICAM1 polyclonal antibody [Biotin] (DPABY-562)

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

PRODUCT INFORMATION

Antigen Description	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.
Specificity	Detects rat ICAM-1/CD54 in ELISAs and Western blots. In sandwich immunoassays, less than 0.1% cross-reactivity with recombinant mouse (rm)ICAM-1, recombinant human (rh)ICAM-1, rhICAM-3, rmICAM-5, and rmICAM-2 is observed.
Immunogen	Mouse myeloma cell line NS0-derived recombinant rat ICAM-1/CD54. Gln28-Thr493 Accession Number Q00238
Isotype	IgG
Source/Host	Goat
Species Reactivity	Rat
Purification	Antigen Affinity-purified
Conjugate	Biotin
Applications	Western Blot, ELISA Detection (Matched Pair)
Format	Liquid
Size	50 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.

Preservative	None
Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <p>12 months from date of receipt, -20 to -70 °C as supplied.</p> <p>1 month, 2 to 8 °C under sterile conditions after reconstitution.</p> <p>6 months, -20 to -70 °C under sterile conditions after reconstitution.</p>

GENE INFORMATION

Gene Name	Icam1 intercellular adhesion molecule 1 [Rattus norvegicus (Norway rat)]
Official Symbol	ICAM1
Synonyms	ICAM1; intercellular adhesion molecule 1; CD54; ICAM; ICAM-1;
Entrez Gene ID	25464
Protein Refseq	NP_037099
UniProt ID	Q00238
Chromosome Location	8q13
Pathway	Adaptive Immune System; African trypanosomiasis; Cell adhesion molecules (CAMs); Epstein-Barr virus infection; Extracellular matrix organization; HTLV-I infection; IL-2 Signaling Pathway; IL-5 Signaling Pathway;
Function	integrin binding; protein complex binding;