

Monoclonal Antibody to CD54 / ICAM1 - PE

Alternate names:	ICAM-1, Intercellular adhesion molecule 1, Major Group Rhinovirus Receptor
Catalog No.:	AM00701RP-N
Quantity:	0.1 mg
Concentration:	0.5 mg/ml (OD280nm)
Background:	ICAM1 is a 85-110 kDa single chain type 1 integral membrane glycoprotein with an extracellular domain of five immunoglobulin superfamily repeats, a transmembrane region and a cytoplasmic domain. It shares considerable amino acid sequence homology with ICAM3 and with ICAM2. ICAM1 is expressed by activated endothelial cells. It is detected on cells of many other lineages (e.g. epithelial cells, fibroblasts, chondrocytes, B lymphocytes, T lymphocytes (low), monocytes, macrophages, dendritic cells and neutrophils), with lower levels that increase in inflammation. ICAM1 is also detected in some carcinoma and melanoma cells. Soluble ICAM1 is detectable in the plasma and is elevated in patients with various inflammatory syndromes. It is the receptor for rhinoviruses and malaria.
Uniprot ID:	P13597
NCBI:	NP_034623.1
GeneID:	15894
Host / Isotype:	Rat / IgG2a
Clone:	BE29G1
Format:	State: Liquid Ig fraction Purification: Protein G chromatography Buffer System: 0.01 M PBS, pH 7.2 containing 1 % BSA; 0.09 % Sodium azide as preservative Label: PE
Applications:	Flow cytometry (1 µg to stain 1 x 10 ⁶ cells). Immunohistochemistry. Immunoprecipitation. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Recognizes the Mr 95kD cell surface glycoprotein known as intracellular adhesion molecule ICAM-1. Blocks the binding of LFA-1 CD11a/CD18) to ICAM-1. Species: Mouse. Other species not tested.
Storage:	Store the antibody at 2 - 8 °C. DO NOT FREEZE! Centrifuge vial before opening. Shelf life: one year from despatch.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com



- General Readings:**
1. Kuhlman, P., et al., (1991), J. of Immunol., 146(6):1773.
 2. Schynius, A., et al., (1993), J. Immunol., 150:655.
 3. Harlan, J. M., et al., (1992), Adhesion: Its Role in Inflammatory Disease, W. H. Freeman and Co., New York, p. 154.

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