

## Product datasheet for **AM00701BT-N**

### Icam1 Rat Monoclonal Antibody [Clone ID: BE29G1]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	BE29G1
Applications:	FC, IHC, IP
Recommended Dilution:	<b>Flow Cytometry</b> (1 µg / 1 x 10 <sup>6</sup> cells). <b>Immunoprecipitation.</b> <b>Immunohistochemistry.</b> <b>Blocking:</b> Blocks the binding of LFA-1 to ICAM-1. Suitable for studies of inflammation, lymphocyte differentiation, and lymphocyte activation.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Specificity:	Recognizes the Mr 95 kDa cell surface glycoprotein known as intracellular adhesion molecule ICAM-1.
Formulation:	0.01M PBS, pH 7.4 containing 2mM EDTA Label: Biotin State: Liquid purified Ig fraction Stabilizer: 1% BSA Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Protein G Chromatography
Conjugation:	Biotin
Storage:	Store undiluted at 2-8°C. <b>DO NOT FREEZE!</b>
Stability:	Shelf life: one year from despatch.
Gene Name:	intercellular adhesion molecule 1
Database Link:	<a href="#">Entrez Gene 15894 Mouse P13597</a>



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**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.

**Synonyms:**

ICAM-1

**Note:****Centrifuge vial before opening.**