

Product datasheet for **AM33037PU-N**

ICAM3 Mouse Monoclonal Antibody [Clone ID: JA4]

Product data:

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| Product Type: | Primary Antibodies |
| Clone Name: | JA4 |
| Applications: | ELISA, FC, IF, IHC, IP, WB |
| Recommended Dilution: | ELISA. Western Blot. Immunoprecipitation. Flow Cytometry. Immunocytochemistry. Immunohistochemistry on Frozen Sections. <i>Recommended Dilutions:</i> 1/100–1/200 for Flow Cytometry, and for Immunohistochemistry with avidin-biotinylated horseradish peroxidase complex (ABC) as detection reagent, and 1/100–1/1000 for Immunoblotting applications. |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Derived by fusion of mouse Ag8.653 cells with spleen cells from a BALB/c mouse immunized with an ICAM-3/HEK transfectant. |
| Specificity: | This <i>JA4</i> antibody recognizes a linear epitope in domains 1 and 2 of ICAM-3. |
| Formulation: | PBS State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide |
| Concentration: | lot specific |
| Conjugation: | Unconjugated |
| Storage: | Store undiluted at 2–8°C for one month or (in aliquots) at –20°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | intercellular adhesion molecule 3 |



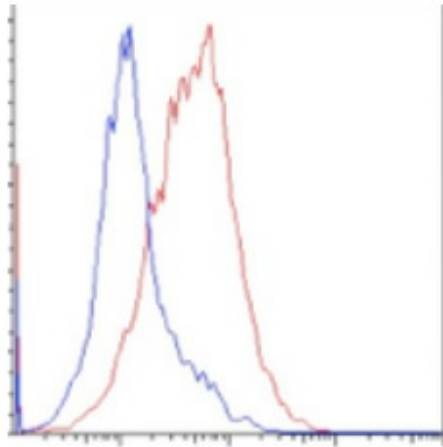
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Database Link: [Entrez Gene 3385 Human P32942](#)

Background: Intercellular adhesion molecule 3 (ICAM3) also known as CD50 (Cluster of Differentiation 50), is a type I transmembrane glycoprotein, which normally contain 2-9 immunoglobulin-like C2-type domains, and binds to the leukocyte adhesion LFA-1 protein. This protein is constitutively and abundantly expressed by all leucocytes and may be the most important ligand for LFA-1 in the initiation of the immune response. It functions not only as an adhesion molecule, but also as a potent signalling molecule. ICAM-3 has previously been implicated in apoptotic cell clearance, although its precise role in the clearance process is ill defined.

Synonyms: ICAM-3, ICAM-R, CDw50

Product images:



Jurkat T cells that expressed high (ICAM-3^{high}= red) or low (ICAM-3^{low}= blue) levels of ICAM-3 were stained with JA4. 5×10^5 cells were stained with 100ul of mAb. Following 30 min incubation at 4°C, unbound Ab was removed by washing and bound mAb detected by staining with goat antimouse- FITC for 30 min at 4°C. Flow cytometric histogram of 5000 events per sample is shown.