

## Product datasheet for **AM33036PU-N**

### ICAM3 Mouse Monoclonal Antibody [Clone ID: BH10]

#### Product data:

|                       |  |
|-----------------------|--|
| Product Type:         | Primary Antibodies   |
| Clone Name:           | BH10   |
| Applications:         | ELISA, FC, IF, IHC, IP, WB   |
| Recommended Dilution: | <b>ELISA.</b><br><b>Western Blot.</b><br><b>Immunoprecipitation.</b><br><b>Flow Cytometry.</b><br><b>Immunocytochemistry.</b><br><b>Immunohistochemistry on Frozen Sections.</b><br><i>Recommended Dilutions: 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.</i> |
| 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>BH10</i> antibody recognizes a linear epitope in domains 1 and 2 of ICAM-3.  |
| Formulation:          | PBS<br>State: Purified<br>State: Liquid purified IgG fraction<br>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.<br>Avoid repeated freezing and thawing.   |
| Stability:            | Shelf life: one year from despatch.  |
| Gene Name:            | intercellular adhesion molecule 3  |



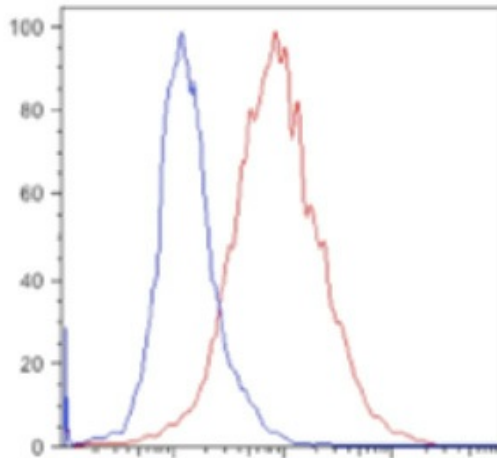
[View online »](#)

**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 mAb BH10.  $5 \times 10^5$  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.