ICAM-1/CD54 Monoclonal Antibody

catalog number: **AN200003P**

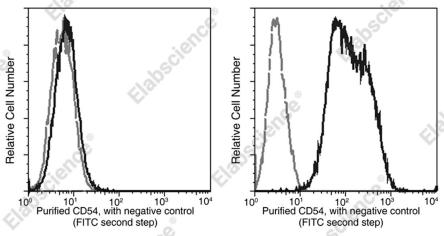
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

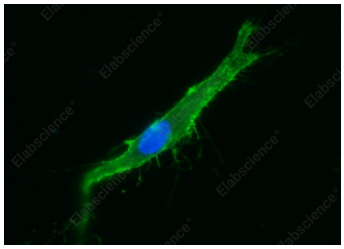
Reactivity	Human
Immunogen	Recombinant Human ICAM-1 protein
Host	Mouse
Isotype	Mouse IgG1
Clone	A847
Purification	Protein A
Buffer	0.2 μm filtered solution in PBS

Applications	Recommended Dilution
ICC/IF	1:20-1:100
FCM	1:25-1:100

Data



Flow cytometric analysis of Human ICAM1 (CD54) in HUVEC cells. HUVEC cells (Human umbilical vein endothelial cells) were either treated with TNF-α (50ng/mL,18 hours) (right panel) or untreated (left panel). The cells were harvested and stained with purified human ICAM-1, then a FITC-conjugated second step antibody.



Immunofluorescence staining of Human ICAM1 in MSC cells. Cells were fixed with 4% PFA,blocked with 10% serum, and incubated with Mouse anti-Human ICAM1 Monoclonal Antibody (1:60) at 37°C 1 hour. Then cells were stained with the Alexa Fluor® 488-conjugated Goat Anti-mouse IgG secondary antibody (green) and counterstained with DAPI for nuclear staining (blue). Positive staining was localized to cell membrane.

Preparation & Storage

Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

Background

ICAM-1 is a member of the immunoglobulin superfamily whose expression is upregulated on leukocytes, epithelial cells and resting endothelial cells in response to inflammatory signals. ICAM-1 binds the leukocyte integrins LFA-1 and Mac-1.

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