

ICAM-1 / CD54 Antibody, Mouse MAb



Sino Biological
Biological Solution Specialist

Catalog Number: 10346-MM01

GENERAL INFORMATION

Immunogen:	Recombinant Human ICAM-1 protein (Catalog#10346-H08H)
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human ICAM1 / CD54 (rh ICAM1 / CD54; Catalog#10346-H08H; Met 1-Glu 480; NP_000192.2). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Ig Type:	Mouse IgG1
Clone ID:	01
Specificity:	Human ICAM1 / CD54
	No cross-reactivity in ELISA with Human ICAM2 Human ICAM3 Human VCAM1 Human CD62E Human CEACAM1 Human cell lysate (293 cell line)
Formulation:	0.2 µm filtered solution in PBS
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.
Alternative Names:	BB2,CD54,ICAM-1,P3.58

APPLICATIONS

Applications:	ELISA,ELISA(Cap),FCM,ICC/IF
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RECOMMENDED CONCENTRATION

ICC/IF	ICC/IF: 1:20-1:100
Flow Cytometry	FCM: 1:25-1:100
ELISA	ELISA: 1:1000-1:2000 This antibody can be used at 1:1000-1:2000 with the appropriate secondary reagents to detect Human ICAM1.
Sandwich ELISA (Capture Ab)	ELISA(Cap): 1:250-1:2000 This antibody will detect Human ICAM1 / CD54 in ELISA pair set (Catalog: # SEK10346). In a sandwich ELISA, it can be used as capture antibody.

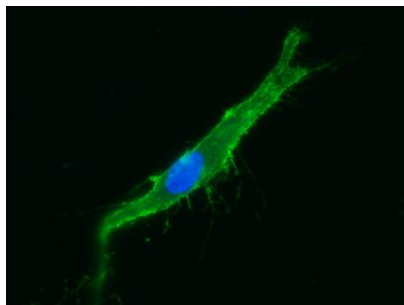
Please Note: Optimal concentrations/dilutions should be determined by the end user.

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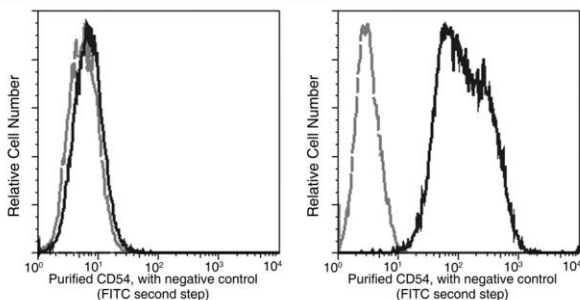


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Immunofluorescence staining of Human ICAM1 in MSC cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with Mouse anti-Human ICAM1 monoclonal antibody (1:60) at 37°C 1 hour. Then cells were stained with the Alexa Fluor® 488-conjugated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



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 ICAM1 (10346-MM01), then a FITC-conjugated second step antibody.

Flow cytometry was performed on a BD FACSCalibur flow cytometry system. Please refer to www.sinobiological.com/Flow-Cytometry-FACS-Protocols-a-750.html for technical protocols.