10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-CD54-AcalephFluor555-labled

Catalog # AP100717

Product Information

Application	FC, IF/IC
Primary Accession	P13597
Reactivity	Mouse
Clonality	Monoclonal
Calculated MW	58844

Additional Information

Gene ID	15894
Other Names	Intercellular adhesion molecule 1; ICAM-1; Major group rhinovirus receptor; CD54
Target/Specificity	Recognizes mouse CD54
Dilution	FC~~1:10~50 IF/IC~~N/A
Format	Rat IgG2b kappa. Liquid in PBS, pH 7.3, 0.2% BSA, and 0.02% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	Icam1 {ECO:0000312|MGI:MGI:96392}
Function	Cell adhesion molecule that functions as a receptor ligand of the signaling receptor ITGAL:ITGB2/LFA-1 (lymphocyte-function associated (LFA) molecule 1) ensuring leukocyte cell-cell adhesion, by providing a calibrated system to namely adjust T-cell killing to the antigen stimulation strength. Also functions as a ligand receptor of the signaling receptor ITGAM:ITGB2/MAC-1 ensuring adhesion between stimulated neutrophils and stimulated endothelial cells. During leukocyte trans-endothelial migration, ICAM1 engagement promotes the assembly of endothelial apical cups through ARHGEF26/SGEF and RHOG activation. Promotes cell aggregation in epithelial cells through interaction with MUC1.
Cellular Location	Cell membrane {ECO:0000250|UniProtKB:P05362}; Single-pass type I membrane protein
Tissue Location	Expressed at low level on a subpopulation of lymphocytes, macrophages, and endothelial cells, but is strongly induced on these cells, and on fibroblasts and epithelial cells

Background

AcalephFluor555-labled rat monoclonal antibody to CD54

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.