

Basic Information

Product Name	Anti-ICAM1 Antibody (Clone#6F2C3)	
Gene Name	ICAM1	
Source	Mouse	
Isotype	IgG1	
Species Reactivity	human	
Tested Application	WB, IHC, FCM	
Contents	500 ug/ml antibody with PBS , 0.02% NaN ₃ , 1 mg BSA and 50% glycerol.	
Immunogen	E. coli-derived human ICAM1 recombinant protein (Position: Q28-R268).	
concentration	500 ug/ml	
Purification	protein G purified.	
Observed MW	90-110KD	
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry(Paraffin-embedded Section): 1:50-400 Flow cytometry (FCM): 1-3 µg/1x10 ⁶ cells (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

CD54, also known as ICAM-1. Intercellular adhesion molecule-1 (ICAM1) is a ligand for lymphocyte function-associated (LFA) antigens. ICAM-1 is an integral membrane protein, a member of the immunoglobulin superfamily, and a ligand for LFA-1, a beta 2 leukocyte integrin. This protein is the major human rhinovirus receptor. The ICAM1 gene is mapped to human chromosome 19. In humans, lymphocyte adhesion to cells is mediated by the protein heterodimer CD11a/CD18 (Leu-CAMa, LFA-1) and its ligand CD54 (ICAM-1).

Selected Validation Data

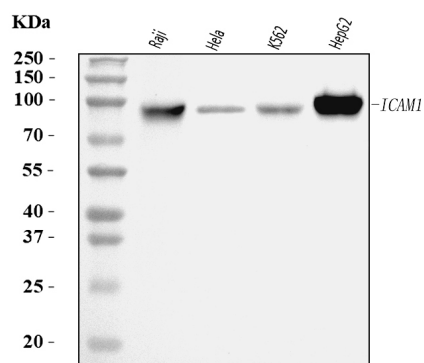


Figure 1. Western blot analysis of anti- ICAM1 Antibody (M00171-3).

The sample well of each lane was loaded with 50ug of sample under reducing conditions.

Lane 1: raji whole cell lysates,

Lane 2: HELA whole cell lysates,

Lane 3: K562 whole cell lysates,

Lane 4: HEPG2 whole cell lysates.

Use mouse anti- ICAM1 1:1000, probed with a goat anti-mouse IgG- HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1001). A specific band was detected for ICAM1 at approximately 90-110KD. The expected band size for ICAM1 is at 59KD.