

## Anti-ICAM-1/CD54 Antibody (7R530)

### Product Details

Ig Type:	hIgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	7R530
Purification:	Affinity-chromatography

### Applications

Verified Activity:	<p>1. Western Blot</p> <ul style="list-style-type: none"><li>-Positive WB detected in:K562 whole cell lysate (20µg), A375 whole cell lysate (20µg)</li><li>-All lanes: ICAM1 antibody at 1:1000</li><li>-Secondary: Goat polyclonal to human IgG at 1/40000 dilution</li><li>-Predicted band size:57.83 kDa</li><li>-Observed band size:58 kDa</li><li>-Exposure time:120s</li></ul> <p>2. IHC image of TMAH-00589 diluted at 1: 200 and staining in paraffin-embedded human lung tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-human polymer IgG labeled by HRP and visualized using 0.05% DAB.</p> <p>3. Overlay Peak curve showing HepG2 cells stained with TMAH-00589 (red line) at 1:100. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1ug/1*10<sup>6</sup> cells) for 45min at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-human IgG(H+L) at 1:200 dilution for 35min at 4°C. Control antibody (green line) was human IgG (1ug/1*10<sup>6</sup> cells) used under the same conditions. Acquisition of &gt;10,000 events was performed.</p>
Application:	ELISA, WB, IHC, FCM
Recommended	WB:1:500-1:2000; IHC:1:50-1:200; FCM:1:50-1:200.

### Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen: Recombinant Protein: Human ICAM1 Protein  
Antigen Species: Human  
Gene ID: 3383  
Uniprot ID: P05362  
Synonyms: BB2;P3.58;CD54;ICAM-1;intercellular adhesion molecule 1  
Biology Area: Cardiovascular, Immunology, Stem cells

---

### Research Background

ICAM proteins are ligands for the leukocyte adhesion protein LFA-1 (integrin alpha-L/beta-2). During leukocyte trans-endothelial migration, ICAM1 engagement promotes the assembly of endothelial apical cups through ARHGEF26/SGEF and RHOG activation. (Microbial infection) Acts as a receptor for major receptor group rhinovirus A-B capsid proteins. (Microbial infection) Acts as a receptor for Coxsackievirus A21 capsid proteins. (Microbial infection) Upon Kaposi's sarcoma-associated herpesvirus/HHV-8 infection, is degraded by viral E3 ubiquitin ligase MIR2, presumably to prevent lysis of infected cells by cytotoxic T-lymphocytes and NK cell.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481