



## Rabbit Anti-ICAM1 antibody

SL4618R

<b>Product Name:</b>	ICAM1
<b>Chinese Name:</b>	细胞间粘附分子-1抗体
<b>Alias:</b>	BB2; CD54 antigen; CD54; ICAM1; ICAM 1; ICAM-1; Cell surface glycoprotein P3.58; Human rhinovirus receptor; Intercellular adhesion molecule 1; Major group rhinovirus receptor; MALA2; MyD10; P3.58; Surface antigen of activated B cells; ICAM1_HUMAN; MALA-2; MyD10; intercellular adhesion molecule 1 precursor; intercellular adhesion molecule 1 (CD54), human rhinovirus receptor; major group rhinovirus receptor..
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1µg/TestIF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	56kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human CD54/ICAM-1:51-100/532<Extracellular>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	This gene encodes a cell surface glycoprotein which is typically expressed on

endothelial cells and cells of the immune system. It binds to integrins of type CD11a / CD18, or CD11b / CD18 and is also exploited by Rhinovirus as a receptor. [provided by RefSeq, Jul 2008].

**Function:**

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. In case of rhinovirus infection acts as a cellular receptor for the virus.

**Subunit:**

Homodimer (Probable). Interacts with human herpesvirus 8 MIR2 protein (Probable). Interacts with MUC1 and promotes cell aggregation in epithelial cells. Interacts with ARHGEF26/SGEF. Binds to coxsackievirus A21 capsid proteins and acts as a receptor for this virus.

**Subcellular Location:**

Membrane; Single-pass type I membrane protein.

**Post-translational modifications:**

Monoubiquitinated, which is promoted by MARCH9 and leads to endocytosis.

**Similarity:**

Belongs to the immunoglobulin superfamily. ICAM family. Contains 5 Ig-like C2-type (immunoglobulin-like) domains.

**SWISS:**

P05362

**Gene ID:**

3383

**Database links:**

[Entrez Gene: 3383](#)Human

[Entrez Gene: 15894](#)Mouse

[Entrez Gene: 25464](#)Rat

[Omim: 147840](#)Human

[Unigene: 643447](#)Human

[SwissProt: P05362](#)Human

[SwissProt: P13597](#) Mouse

[SwissProt: Q00238](#) Rat

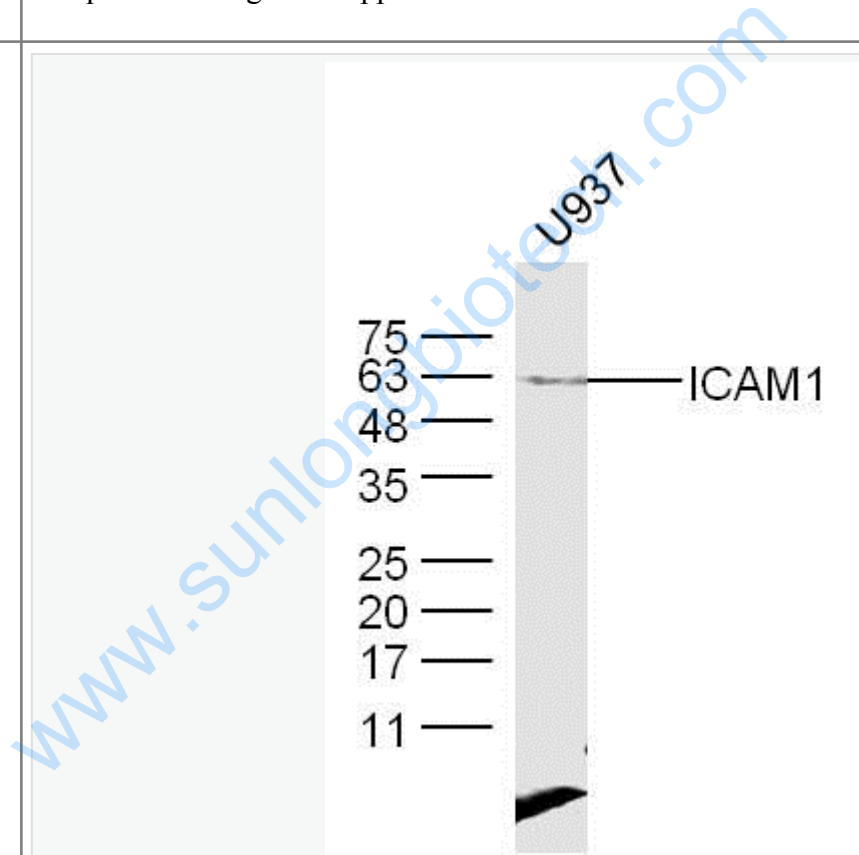
[Unigene: 435508](#) Mouse

[Unigene: 12](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Picture:**



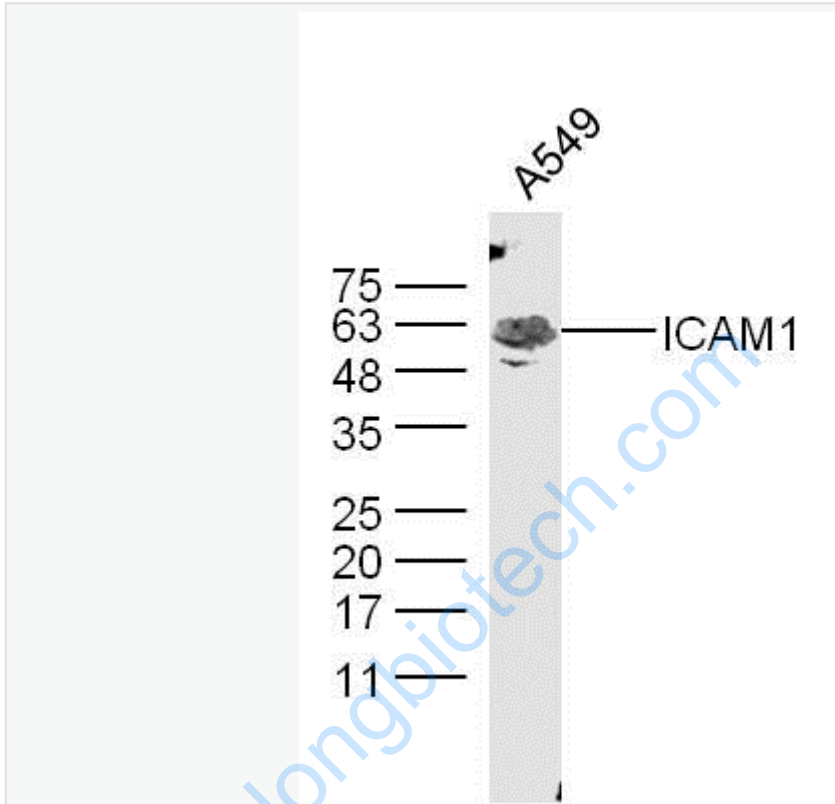
Sample: U937 Cell (Human) Lysate at 40 ug

Primary: Anti-ICAM1 (SL4618R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 56 kD

Observed band size: 60 kD



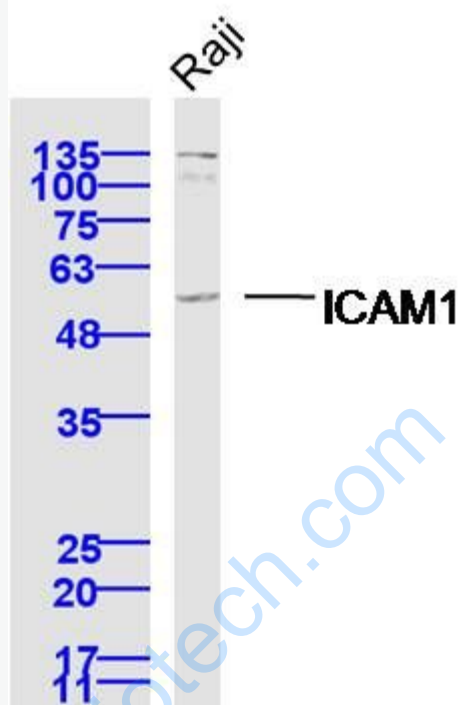
Sample: A549 Cell (Human) Lysate at 40 ug

Primary: Anti- ICAM1 (SL4618R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 56 kD

Observed band size: 56 kD



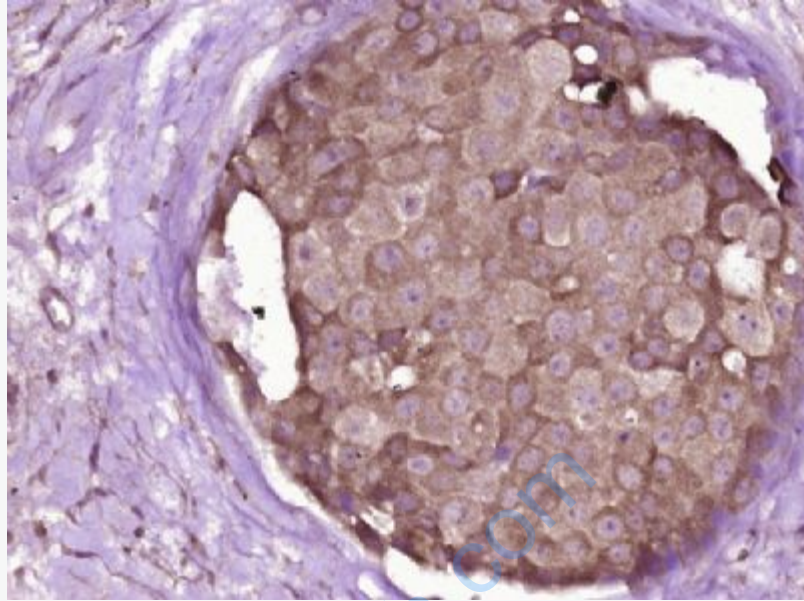
Sample: Raji Cell (Human) Lysate at 40 ug

Primary: Anti-ICAM1 (SL4618R) at 1/300 dilution

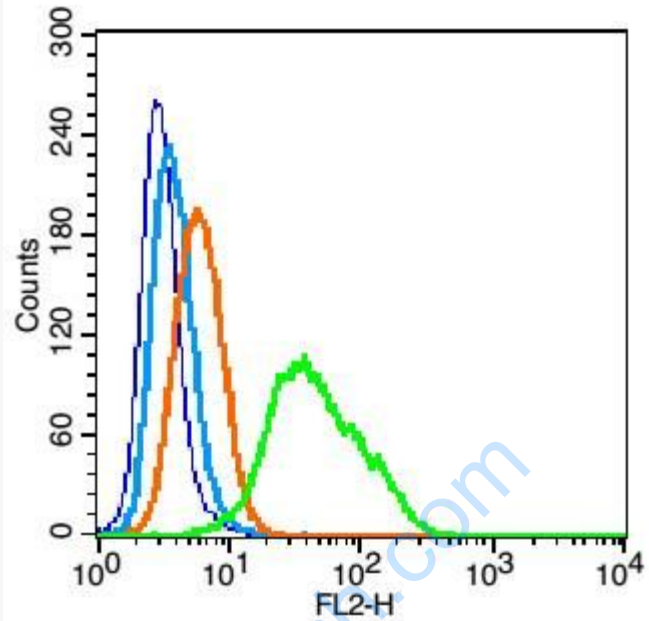
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 56 kD

Observed band size: 56 kD



Paraformaldehyde-fixed, paraffin embedded (human breast carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ICAM1) Polyclonal Antibody, Unconjugated (SL4618R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control (blue line): U937 (fixed with 2% paraformaldehyde for 10 min at room temperature).

Primary Antibody (green line): Rabbit Anti-ICAM1 antibody (SL4618R), Dilution:  $0.2\mu\text{g}/10^6$  cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE, Dilution:  $1\mu\text{g}/\text{test}$ .