

## Anti-VCAM1 Antibody (8D640)

### Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 81 kDa. Actual: 100 kDa.
Clone:	8D640
Purification:	Protein A purified

### Applications

Verified Activity:	<p>1. Sample: Lane 1: Mouse Cerebrum tissue lysates Lane 2: Rat Cerebrum tissue lysates Primary: Anti-VCAM1 (TMAB-14059) at 1/2000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 81 kDa Observed band size: 100 kDa</p> <p>2. Paraformaldehyde-fixed, paraffin embedded Rat Spleen; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with VCAM1 Monoclonal Antibody, Unconjugated (TMAB-14059) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&amp;L Secondary Antibody-HRP and DAB staining.</p> <p>3. Paraformaldehyde-fixed, paraffin embedded Human Chronic tonsillitis; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with VCAM1 Monoclonal Antibody, Unconjugated (TMAB-14059) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&amp;L Secondary Antibody-HRP and DAB staining.</p> <p>4. Paraformaldehyde-fixed, paraffin embedded Human Tonsil; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with VCAM1 Monoclonal Antibody, Unconjugated (TMAB-14059) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&amp;L Secondary Antibody-HRP and DAB staining.</p>
Application:	WB,IHC-P,IHC-Fr,IF
Recommended	WB: 1:500-2000; IHC-P: 1:200-1000; IHC-Fr: 1:200-1000; IF: 1:200-1000

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human VCAM-1  
Antigen Species: Human  
Gene ID: 7412  
Uniprot ID: P19320

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### Research Background

VCAM1 is important in cell-cell recognition. Appears to function in leukocyte-endothelial cell adhesion. Interacts with the integrins alpha4 beta1 (beta 1 integrin VLA4) and alpha4 beta7 on leukocytes, and mediates both adhesion and signal transduction. The VCAM1/VLA4 interaction may play a pathophysiologic role both in immune responses and in leukocyte emigration to sites of inflammation. VCAM1 is also expressed by several non endothelial cell types including some macrophages, follicular dendritic cells and bone marrow, stromal cells.

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

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