

### 35-1081: Polyclonal Antibody to ICAM-1 (Phospho-Tyr512)

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	ICAM1
<b>Gene ID :</b>	3383
<b>Uniprot ID :</b>	P05362
<b>Format :</b>	Purified
<b>Alternative Name :</b>	ICA1, ICAM1
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Peptide sequence around phosphorylation site of tyrosine 512 (K-K-Y(p)-R-L) derived from Human ICAM-1.

#### Description

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 SGEF and RHOG activation. In case of rhinovirus infection acts as a cellular receptor for the virus. Greenwood J, et al. (2003) J Immunol; 171(4):2099-2108. Zhou Z, et al. (2005) Eur J Pharmacol; 513(1-2):1-8. Chen YH, et al. (2001) J Cell Biochem; 82(3):512-521

#### Product Info

<b>Amount :</b>	50 $\mu$ l / 100 $\mu$ l
<b>Content :</b>	Supplied at 1.0mg/mL in phosphate buffered saline (without $Mg^{2+}$ and $Ca^{2+}$ ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Storage condition :</b>	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

#### Application Note

Predicted MW: 89 92kd, Western blotting: 1:500~1:1000

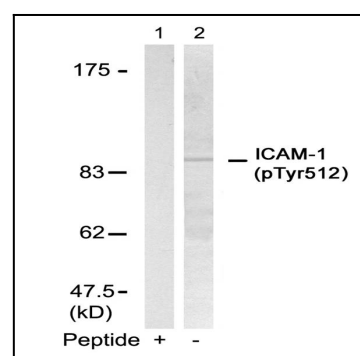


Figure 1: Western blot analysis of extracts from HUVEC cells using ICAM-1(Phospho-Tyr512) Antibody 35-1081 (Lane 2) and the same antibody preincubated with blocking peptide(Lane1).

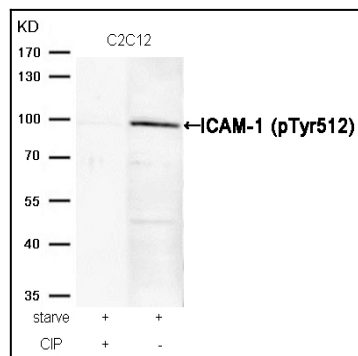


Figure 2: Western blot analysis of extracts from C2C12 cells, treated with starve or calf intestinal phosphatase (CIP), using ICAM-1 (Phospho-Tyr512) Antibody 35-1081 .