

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

Clonality :	Polyclonal
Application :	WB
Reactivity :	Human
Gene :	ICAM1
Gene ID :	3383
Uniprot ID :	P05362
Format :	Purified
Alternative Name :	ICA1, ICAM1
Isotype :	Rabbit IgG
Immunogen Information :	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 α -L/ β -2). During leukocyte trans-endothelial migration, ICAM1 engagement promotes the assembly of endothelial apical cups through SGEF and RHO G 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

Amount :	50 μ l / 100 μ l
Content :	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.
Storage condition :	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

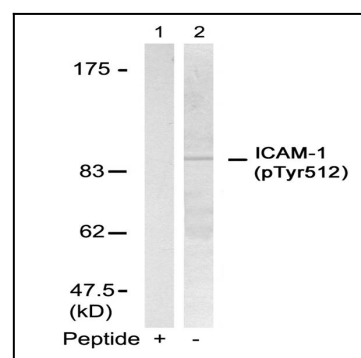


Figure 1: Western blot analysis of extracts from HUVEC cells using ICAM-1(Phospho-Tyr512) Antibody 35-1081 (Lane 2) and the same antibody preincubated with blocking peptide(Lane1).

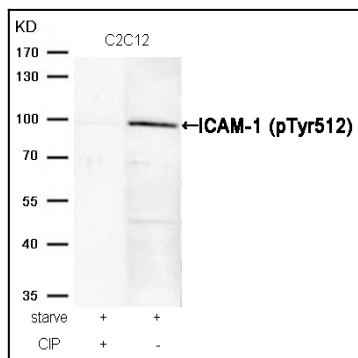


Figure 2: Western blot analysis of extracts from C2C12 cells, treated with starve or calf intestinal phosphatase (CIP), using ICAM-1 (Phospho-Tyr512) Antibody 35-1081 .