

## ICAM-1(Phospho-Tyr512) Antibody

Catalog No: #11083

Package Size: #11083-1 50ul #11083-2 100ul

Orders: order@signalwayantibody.com

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## Description

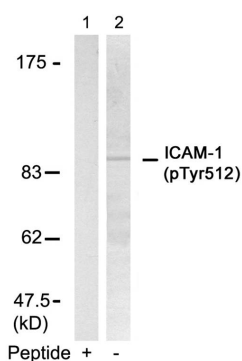
Product Name	ICAM-1(Phospho-Tyr512) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of ICAM-1 only when phosphorylated at tyrosine 512.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 512 (K-K-Y(p)-R-L) derived from Human ICAM-1.
Target Name	ICAM-1
Modification	Phospho
Other Names	ICA1; ICAM1;
Accession No.	Swiss-Prot: P05362NCBI Protein: NP_000192.2
Uniprot	P05362
GeneID	3383;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

## Application Details

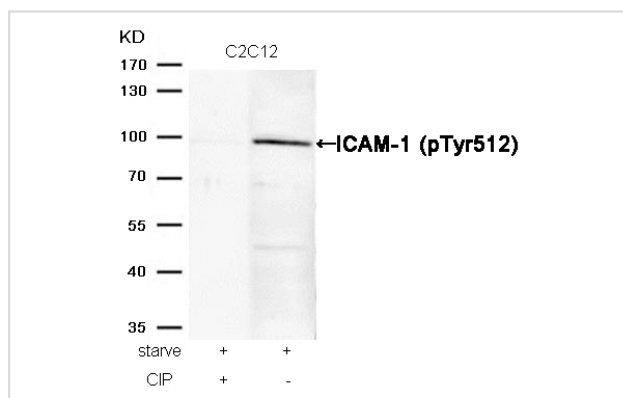
Predicted MW: 89 92kd

Western blotting: 1:500~1:1000

## Images



Western blot analysis of extracts from HUVEC cells using ICAM-1(Phospho-Tyr512) Antibody #11083 (Lane 2) and the same antibody preincubated with blocking peptide (Lane 1).



Western blot analysis of extracts from C2C12 cells, treated with starve or calf intestinal phosphatase (CIP), using ICAM-1 (Phospho-Tyr512) Antibody #11083.

## 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 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

Note: This product is for in vitro research use only