Product Datasheet

ICAM-1(Phospho-Tyr512) Antibody

Catalog No: #11083

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

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

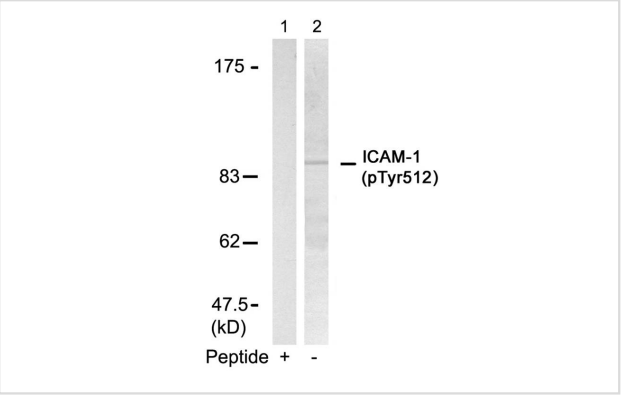
Product Name	ICAM-1(Phospho-Tyr512) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy 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 Mg2+ and Ca2+), 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

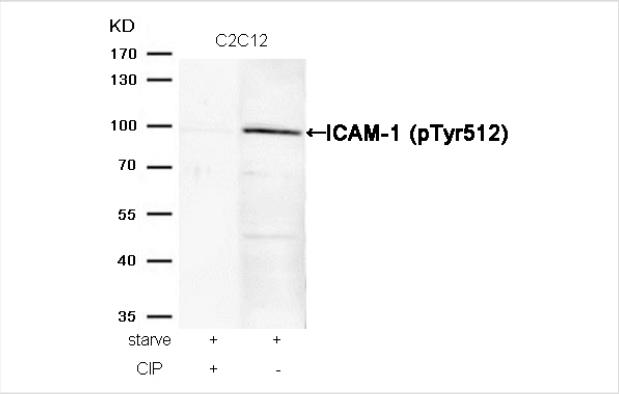
Predicted MW: 89 92kd

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(Lane1).



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 a-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