

Product datasheet for **AM00155PU-N**

VASP pSer157 Mouse Monoclonal Antibody [Clone ID: 5C6]

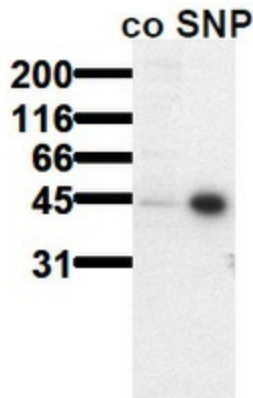
Product data:

Product Type:	Primary Antibodies
Clone Name:	5C6
Applications:	ELISA, FC, IF, IP, WB
Recommended Dilution:	Western blot: 0.5 µg/ml for HRPO/ECL detection. Recommended Blocking Buffer: Casein/Tween 20 based blocking and blot incubation buffer. ELISA: 0.05 µg/ml. Immunoprecipitation: 1-10 µg per 10e6 pervanadate-treated A431 cells. Immunocytochemistry: 1-10 µg/ml (Monoclonal 5C6 antibody may tolerate 0.5% formaldehyde fixation). Flow Cytometry.
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic phosphopeptide conjugated to KLH Epitope: Phosphoserine 157 RRVpSNAG
Specificity:	AM00155PU-N recognizes VASP only, when Ser 157 is phosphorylated, a site preferred by cAMP-dependent protein kinase (PKA). The antibody does not cross-react with the non-phosphorylated form of VASP nor with unrelated serine-phosphorylated proteins. Therefore, AM00155PU-N (clone 5C6) is able to monitor the phosphorylation state of VASP serine 157 as well as PKA activity.
Formulation:	PBS with 0.09% Sodium Azide, PEG and Sucrose State: Purified State: Lyophilized purified IgG fraction from serum-free cell culture supernatant
Reconstitution Method:	Restore with 1 ml H ₂ O (15 min, RT).
Purification:	Subsequent Thiophilic Adsorption and Size Exclusion Chromatography
Conjugation:	Unconjugated



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Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	vasodilator-stimulated phosphoprotein
Database Link:	Entrez Gene 7408 Human P50552
Background:	VASP (vasodilator stimulated phosphoprotein) plays an important role in ANF / NO / cGMP Protein kinase and cAMP / cAMP Protein kinase signalling. VASP is expressed in almost all human and animal cell lines; particularly high concentrations are found in thrombocytes, vascular smooth muscle cells and fibroblasts. In cultured cells VASP is associated with focal contacts, cell-cell-contacts, microfilaments and dynamic membrane regions such as the leading edge. In vitro binding data show that VASP binds to profilin, zyxin, vinculin, and the Listeria spp. surface protein ActA. Functional evidence indicates that VASP is a crucial factor involved in the enhancement of actin filament formation. Molecular Weight: 46/50 kDa
Synonyms:	Vasodilator-stimulated phosphoprotein

Product images:

Phosphospecificity: Whole cell extracts of control (co) or SNP treated human platelets were applied to SDS-PAGE and transferred to PVDF membranes. Immunoblots were probed with mab 5C6 (0.5 ug/ ml) for 1h at RT and developed by ECL (exp. time: 30 sec).