OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AM00155FC-N

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	5C6
Applications:	FC, IF
Recommended Dilution:	**Flow Cytometry.** **Immunocytochemistry:** 1-10 µg/ml (may tolerate 0.5% Formaldehyde fixation). For ELISA, Immunoblotting and Immunoprecipitation use Purified antibody Cat.-No AM00155PU-N and Biotin conjugated Cat.-No AM00155BT-N.
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Phosphopeptide conjugated to KLH. **Epitope:** Phosphoserine 157
Specificity:	This antibody recognizes VASP only, when Ser157 is phosphorylated, a site preferred by cAMP-dependent protein kinase (PKA). The antibody does not crossreact with the non-phosphorylated form of VASP nor with unrelated serine-phosphorylated proteins. Therefore, this antibody is able to monitor the phosphorylation state of VASP Serine157 as well as PKA activity.
Formulation:	2 x PBS containing 0.09% Sodium Azide, PEG and Sucrose Label: FITC State: Liquid purified IgG fraction from serum-free cell culture supernatant Label: Fluorescein Isothiocyanate
Concentration:	lot specific
Purification:	Subsequent Thiophilic Adsorption and Size Exclusion Chromatography
Conjugation:	FITC
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.

View online »

Predicted Protein Size:	46/50 kDa
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 pathways. 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.
Synonyms:	Vasodilator-stimulated phosphoprotein