

# Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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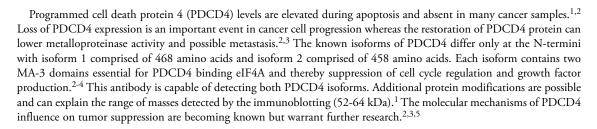
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# **Product Information**

# Programmed Cell Death Protein 4 (C-Term) Blocking Peptide

Item No. 13365



### **Laboratory Procedures**

This vial contains 200 µg peptide in 200 µl TBS, pH 7.4, containing 0.1% BSA and 0.02% sodium azide. The PDCD4 (C-Term) blocking peptide can be used in conjunction with Cayman's PDCD4 Polyclonal Antibody (Item No. 10250) to block protein-antibody complex formation during immunochemical analysis of PDCD4.

Store this peptide solution at -20°C. It will be stable for at least two years. To block antibody/protein complex formation, the following procedure is recommended:

- 1. Dilute the PDCD4 (C-Term) Polyclonal Antibody (Item No. 10250) to the desired working dilution in an appropriate blocking buffer.
- 2. Add the control peptide at a final concentration of 5 μg/ml\* to the antibody mixture with sebsequent mixing by
- Incubate the peptide and antibody mixture for one hour at room temperature prior to application to the slide or membrane.

\*This is a recommended mixture. The minimum amount of peptide needed for complete blocking has not been precisely determined and may vary depending on the sample being analyzed. The amount of peptide required may need to be increased if sufficient blocking does not occur.

### References

- 1. Cmarik, J.L., Min, H., Hegamyer, G., et al. Differentially expressed protein Pdcd4 inhibits tumor promoter-induced neoplastic transformation. Proc. Natl. Acad. Sci. USA 96(24), 14037-14042 (1999).
- Nieves-Alicea, R., Colburn, N.H., Simeone, A.-M., et al. Programmed cell death 4 inhibits breast cancer cell invasion by increasing tissue inhibitor of metalloproteinases-2 expression. Breast Cancer Res. Treat. (2008).
- Bitomsky, N., Wethkamp, N., Marikkannu, R., et al. siRNA-mediated knockdown of Pdcd4 expression causes upregulation of p21(Waf1/Cip1) expression. Oncogene (2008).
- Yang, H.-S., Cho, M.-H., Zakowicz, H., et al. A novel function of the MA-3 domains in transformation and translation suppressor Pdcd4 is essential for its binding to eukaryotic translation initiation factor 4A. Mol. Cell. Biol. 24(9), 3894-3906 (2004).
- 5. Böhm, M., Sawicka, K., Siebrasse, J.P., et al. The transformation suppressor protein Pdcd4 shuttles between nucleus and cytoplasm and binds RNA. Oncogene 22, 4905-4910 (2003).

### Related Products

For a list of related products please visit: www.caymanchem.com/catalog/13365

WARNING: This product is for laboratory research only: not for administration to humans. Not for human or veterinary DIAGNOSTIC OR THERAPEUTIC USE.

This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Material Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY
Cayman Chemical Company makes no warranty or guarantee of any kind, whether written or oral, expressed or implied, including without limitation, any warranty of fitness for a particular purpose, suitability and merchantability, which extends beyond the description of the chemicals hereof. Cayman warrants only to the original customer that the material will meet our specifications

art the time of delivery.

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Said refund or replacement is conditioned on Buyer giving written notice to Cayman within thirty (30) days after arrival of the material at its destination. Failure of Buyer to give said notice within thirty (30) days shall constitute a waiver by Buyer of all claims hereunder with respect to said material.

For further details, please refer to our Warranty and Limitation of Remedy located on our website and in our catalog.

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