

Produktinformation



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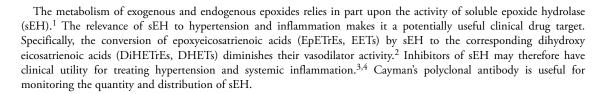
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Product Information

Soluble Epoxide Hydrolase Blocking Peptide

Item No. 10010147



Laboratory Procedures

This vial contains 200 µg of peptide in 200 µl TBS, pH 7.4, containing 0.1% BSA and 0.02% sodium azide. The soluble epoxide hydrolase blocking peptide (human amino acids 292-306) can be used in conjunction with Cayman's Soluble Epoxide Hydrolase Polyclonal Antibody (Item No. 10010146) to block protein-antibody complex formation during immunochemical analysis of soluble epoxide hydrolase.

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. Mix the Soluble Epoxide Hydrolase Polyclonal Antibody (Item No. 10010146) and blocking peptide together in a 1:1 (v/v) ratio in a microfuge tube. For example, mix 20 μl of antibody and 20 μl of peptide.*
- Incubate for one hour at room temperature with occasional mixing prior to further dilution and application of the mixture to the immunoblot.
- 3. Dilute the mixture to the final working antibody concentration and apply to the slide or membrane as usual.

*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. Halarnkar, P.P., Wixtrom, R.N., Silva, M.H., et al. Catabolism of epoxy fatty esters by the purified epoxide hydrolase from mouse and human liver. Arch. Biochem. Biophys. 272, 226-236 (1989).
- Yu, Z., Xu, F., Huse, L.M., et al. Soluble epoxide hydrolase regulates hydrolysis of vasoactive epoxyeicosatrienoic acids. Circ. Res. 87, 992-998 (2000).
- Imig, J.D., Zhao, X., Zaharis, C.Z., et al. An orally active epoxide hydrolase inhibitor lowers blood pressure and provides renal protection in salt-sensitive hypertension. Hypertension 46(2), 975-981 (2005).
- Schmelzer, K.R., Kubala, L., Newman, J.W., et al. Soluble epoxide hydrolase is a therapeutic target for acute inflammation. Proc. Natl. Acad. Sci. USA 102(28), 9772-9777 (2005).

Related Products

For a list of related products please visit: www.caymanchem.com/catalog/10010147

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 <u>meet our specifications</u> at the time of delivery.

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Cayman will carry out its delivery obligations with due care and skill. Thus, in no event will Cayman have any obligation or liability, whether in tort (including negligence) or in contract, for any direct, incidental or consequential damages, even if Cayman is informed about their possible existence.

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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.

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