

Produktinformation



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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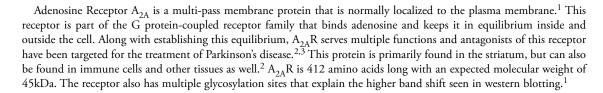
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Product Information

Adenosine Receptor A_{2A} Blocking Peptide

Item No. 10092



Laboratory Procedures

This vial contains 200 µg of peptide in 200 µl of TBS, pH 7.4, containing 0.1% BSA and 0.02% sodium azide. The Adenosine Receptor A_{2A} blocking peptide (human adenosine receptor A_{2A} amino acids 213-220) can be used in conjunction with Cayman's Adenosine Receptor A_{2A} Monoclonal Antibody (Catalog No. 10011454) to block proteinantibody complex formation during the immunochemical analysis of Adenosine Receptor A_{2A}.

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

- 1. Mix the monoclonal antibody and blocking peptide together in a 1:5 (v/v) ratio in a microfuge tube. For example, mix 10 µl of antibody and 50 µl of peptide.*
- Incubate for one hour at room temperature with occasional mixing.
- 3. Dilute the reagents 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

- Piersen, C.E., True, C.D., and Well, J.N. A carboxyl-terminally truncated mutant and nonglycosylated A_{2A} adenosine receptors retain ligand binding. Mol. Pharmacol. 45(5), 861-870 (1994).
- Fredholm, B.B., Chern, Y., Franco, R., et al. Aspects of the general biology of adenosine A2A signaling. Prog. Neurobiol. **83**, 263-276 (2007).
- Ledent, C., Vaugeois, J.-M., Schiffmann, S.N., et al. Aggressiveness, hypoalgesia and high blood pressure in mice lacking the adenosine A_{2A} receptor. Nature 388, 674-678 (1997).

Related Products

For a list of related products please visit: www.caymanchem.com/catalog/10092

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

MATERIAL SAFETY DATA

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.

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 pose, 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

at the time of delivery.

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, inclidental or consequential damages, even if Cayman is informed about their possible existence.

This limitation of liability does not apply in the case of intentional acts or negligence of Cayman, is directors or its employees.

Buyer's exclusive remedy and Cayman's sole liability hereunder shall be limited to a refund of the purchase price, or at Cayman's option, the replacement, at no cost to Buyer, of all material that

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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