Product Information

Adenosine Receptor A₂A Monoclonal Antibody (Clone 7FG-G5-A2)
Item No. 10011454

Contents: This vial contains 500 µg purified IgG₂a in 500 µl PBS, pH 7.2, containing 50% glycerol, 0.5 mg/ml BSA, and 0.02% sodium azide.

Synonyms: A₂₂R, ADORA2A

Antigen: Human full length A₂₂R; the antibody recognizes amino acids 213-220 (SQPLPGER) as determined by epitope mapping

Host: Mouse, clone 7FG-G5-A2

Cross Reactivity: (+) human A₂₂R; other species not tested but the epitope is identical in rodents, primates, and canines and is expected to work for these samples. (-)A₁R and A₂B₂R

Stability: ≥1 year at -20°C

Applications: The recommended starting dilution for western blot is 5 µg/ml. Other applications were not attempted and therefore optimal working dilutions should be determined empirically.

A₂₂R is a multi-pass membrane protein that is normally localized to the plasma membrane. This receptor is part of the G protein-coupled receptor family that binds adenosine and serves multiple functions. Antagonists of this receptor have been targeted for the treatment of Parkinson’s disease. Early reports found this receptor is found primarily in the brain striatum, but is also found in immune cells and other tissues as well. A₂₂R is comprised of 412 amino acids with an expected molecular weight of 45 kDa. However multiple glycosylation sites exist that may explain the retarded migration observed by western blotting (45-50 kDa). This antibody has been extensively characterized and the epitope has been mapped to the third intracellular loop of the receptor.

References

Related Products
For a list of related products please visit: www.caymanchem.com/catalog/10011454

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 to your institution 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 herein. 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 indirect, indirect, incidental 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, its 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 does not meet our specifications.

Any 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.