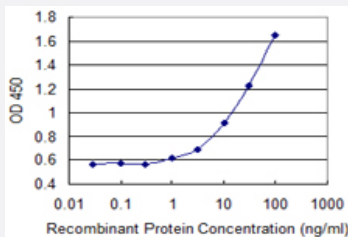


ADORA3 monoclonal antibody (M01), clone 1A3

Catalog # H00000140-M01

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ADORA3 is 0.3 ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant ADORA3.
Immunogen	ADORA3 (AAH29831, 121 a.a. ~ 225 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	VTTHRRWLALGLCWLVSFLVGLTPMFGWNMKL TSEYHRNVTLSCQFVSVMRMDYMVYFSFLT WIFIPLVVMCAIYLDIFYIIRNKLSLNLSNSKETGAFYGRE
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (73)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ADORA3 is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — ADORA3

Entrez GeneID [140](#)

GeneBank Accession# [BC029831](#)

Protein Accession# [AAH29831](#)

Gene Name ADORA3

Gene Alias A3AR, AD026, bA552M11.5

Gene Description adenosine A3 receptor

Omim ID [600445](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a protein that belongs to the family of adenosine receptors, which are G-protein-coupled receptors that are involved in a variety of intracellular signaling pathways and physiological functions. The receptor encoded by this gene mediates a sustained cardioprotective function during cardiac ischemia, it is involved in the inhibition of neutrophil degranulation in neutrophil-mediated tissue injury, it has been implicated in both neuroprotective and neurodegenerative effects, and it may also mediate both cell proliferation and cell death. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations OTTHUMP00000013476|OTTHUMP00000013739|OTTHUMP00000082917

Publication Reference

- [Preclinical In Vitro and In Vivo Evaluation of \[¹⁸F\]FE@SUPPLY for Cancer PET Imaging: Limitations of a Xenograft Model for Colorectal Cancer.](#)

Balber T, Singer J, Berroterán-Infante N, Dumanic M, Fetty L, Fazekas-Singer J, Vranka C, Nics L, Bergmann M, Pallitsch K, Spreitzer H, Wadsak W, Hacker M, Jensen-Jarolim E, Viernstein H, Mitterhauser M.

Contrast Media & Molecular Imaging 2018 Feb; 2018:1269830.

Application: Flow Cyt, Human, HT-29 cells

- [Adenosine receptor expression in rheumatoid synovium: a basis for methotrexate action.](#)

Stamp LK, Hazlett J, Roberts RL, Frampton C, Highton J, Hessian PA.

Arthritis Research & Therapy 2012 Jun; 14(3):R138.

Application: IF, IHC, Human, Synovial tissue from patients with rheumatoid arthritis

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Asthma](#)
- [Cardiomyopathies](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Drug Hypersensitivity](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Mental Disorders](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)

- [Tobacco Use Disorder](#)
- [Urticaria](#)