

## Anti-A2A-Adenosine Receptor [Ig2838] Standard Size Ab00387-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Human IgG1, Fc Silent™, Kappa

**Clone Number:** Ig2838

**Alternative Name(s) of Target:** ADORA2A

**UniProt Accession Number of Target Protein:** P29274

**Published Application(s):** Blocking, ELISA

**Published Species Reactivity:** Human

**Immunogen:** Human recombinant A2-adenosine receptor.

**Specificity:** This antibody binds specifically to the human A2 adenosine receptor.

**Application Notes:** This antibody binds to the A2 adenosine receptor, a G-protein-coupled receptor for adenosine that, upon ligand binding, activates adenylyl cyclase. The antibody acts as an allosteric inhibitor.

**Antibody First Published in:** Hino et al. G-protein coupled receptor inactivation by an allosteric inverse-agonist antibody. Nature 2012; 482(7384):237-240 [PMID:2286059](#)

**Note on publication:** Describes the generation of an anti-adenosine receptor antibody and crystallization for structure determination.

### Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic

procedures for humans or animals.