

## ADORA1 Human Adenosine Receptor A1

<b>Catalog No.</b>	CSH1019MP	<b>Quantity:</b>	10 mg
	CSH1019PR		50 µg

**Alternate Names:** Adenosine A1 Receptor, RDC7

**Description:** The adenosine receptors are a class of purinergic G protein-coupled receptors with adenosine as endogenous ligand. There are four known types of adenosine receptors in humans: A1, A2A, A2B and A3; each is encoded by a different gene. The adenosine receptors are commonly known for their antagonists caffeine and theophylline, whose action on the receptors produces the stimulating effects of coffee, tea and chocolate. A1 receptors are implicated in sleep promotion by inhibiting wake-promoting cholinergic neurons in the basal forebrain.

The receptor is available in the following formats: stable over-expression cell line, membrane preparation, or purified receptor in HEK293 or CHO. Various tagged versions are available.

**Gene ID:** 134

**UniProtKB:** P30542

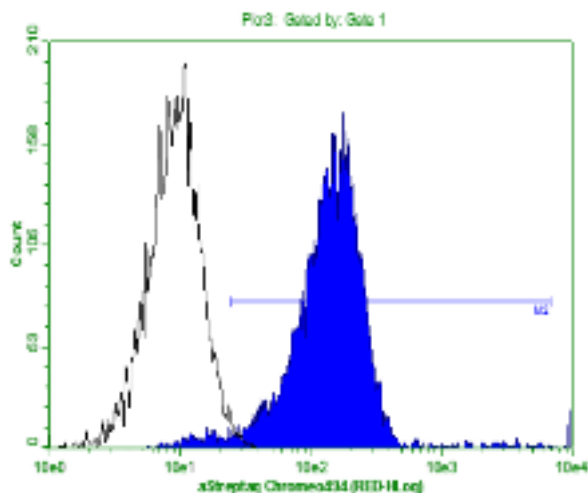
**Format:** Cell line, membrane preparation, or purified protein

**Source:** HEK 293 or CHO cells

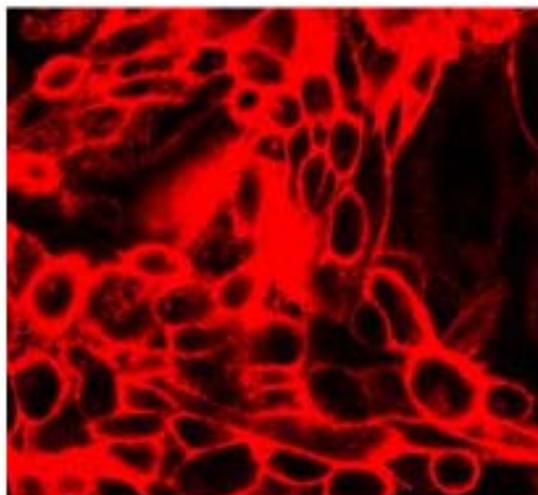
**Characterization:** Expression of receptor was verified by immunostaining. Receptor demonstrates biological activity when tested in a radioligand assay.

**Affinity Tag Options:** Receptor construct: A1 is 2X Twin-Strep tagged and HIS tagged.

Human adenosine receptor A1 was stably overexpressed in CHO cells and analyzed by flow cytometry with Strep-Tactin Chromeo 488.



Human adenosine receptor A1 was stably overexpressed in CHO cells and analyzed by immunostaining with Strep-Tactin Chromeo 546.





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