

#### DESCRIPTION

<b>Specificity</b>	Detects cAMP. In a competition binding assay, this antibody does not cross-react with ATP, CTP, GTP, AMP, GMP, cGMP, or cUMP.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 250532
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Thryoglobulin-coupled cAMP
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

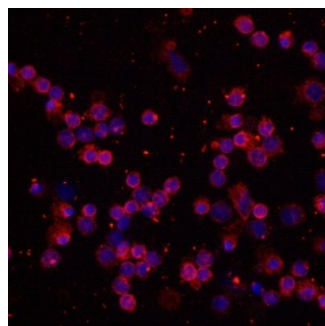
#### APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the [Technical Information](#) section on our website.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Immunocytochemistry</b>	8-25 µg/mL	See Below

#### DATA

##### Immunocytochemistry



**cAMP in Human PBMCs.** cAMP was detected in immersion fixed human peripheral blood mononuclear cells (PBMCs) using 10 µg/mL Mouse Anti-cAMP Monoclonal Antibody (Catalog # MAB2146) for 3 hours at room temperature. Cells were stained with the NorthernLights™ 557-conjugated Anti-Mouse IgG Secondary Antibody (red; Catalog # NL007) and counterstained with DAPI (blue). View our protocol for [Fluorescent ICC Staining of Non-adherent Cells](#).

#### PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

#### BACKGROUND

cAMP is a cyclic nucleotide generated from ATP by the activity of adenylate cyclase. It is a ubiquitous cytoplasmic second messenger important in many signal transduction pathways.