

cADP-Ribose Assay Kit | cADP assay kit

cADP-Ribose Assay Kit (Fluorescence)

CATALOG #
AAA62094

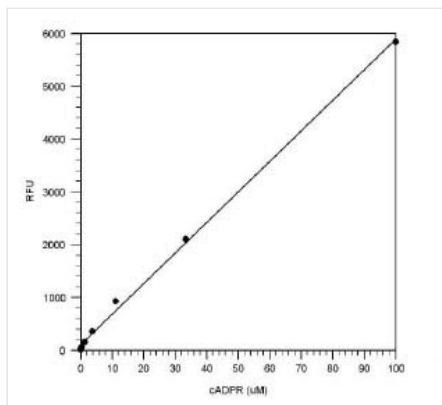
PRODUCT SYNONYMS

cADP-Ribose; cADP-Ribose Assay Kit (Fluorescence); cADP assay kit

PRODUCT SPECIFICATIONS

Detection	Fluorescence microplate reader
Kit Components	Component A: NAD Fluor Dye 1 bottle (5 ml) Component B: ADPRC Enzyme Mix 1 vial Component C: Assay Buffer I 1 bottle (12 ml) Component D: Assay Buffer II 1 bottle (5 ml) Component E: Enhancer Solution 1 bottle (3.5 ml) Component F: cADPR Standard 1 vial
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Keep in freezer (-20 degree C) and avoid exposure to light. All reagents are stable for at least 6 months after receipt when stored properly at the recommended conditions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for cADP assay kit	Principle of the Assay: cADP-ribose (cADPR) is a novel Ca^{2+} messenger derived from NAD^+. ADP-ribosyl cyclase (ADPRC) catalyzes the synthesis of cADPR from NAD^+, but the reaction can be reversed in the presence of high concentration of nicotinamide, producing NAD^+ from cADPR stoichiometrically. The resultant NAD^+ can be detected using our newly developed NAD sensor NAD Fluor Dye. This makes monitoring cADPR in tissues and cell cultures possible in the low nM range. The NAD^+ detection using NAD Fluor Dye is specific to NAD^+ and has no reaction to NADH. The fluorescent signal can be readily detected at $\text{Ex/Em} = 420/480 \text{ nm}$. This assay can be performed in a convenient 96-well or 384-well microtiter plate
Product Categories/Family for cADP assay kit	Cell Assay & Molecule Detection Kits; cADP-Ribose Assay Kit (Fluorescence)

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/assay-kits/cadp-ribose/62094>