

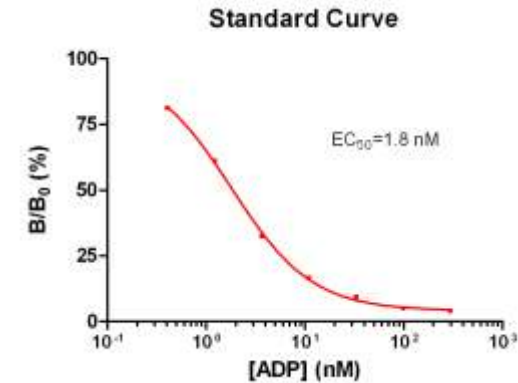
## Anti-ADP Antibody

<b>CATALOG NO:</b>	A1288-50
<b>AMOUNT:</b>	50 µg
<b>IMMUNOGEN:</b>	ADP conjugated to KLH
<b>CLONE:</b>	9B2B9
<b>HOST/ISOTYPE:</b>	Mouse IgG1, κ
<b>PURIFICATION:</b>	Protein A purification
<b>FORM:</b>	Liquid
<b>FORMULATION:</b>	PBS, pH 7.4, containing 0.02% sodium azide
<b>STORAGE CONDITIONS:</b>	Store at 2-8°C for 2-3 weeks. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

**DESCRIPTION:** Adenosine diphosphate (ADP) is the product of adenosine triphosphate (ATP) dephosphorylation by ATPases. It is an important intermediate in cellular metabolism as the partially dephosphorylated form of ATP. ADP is 5'-adenylic acid with an additional phosphate group attached through a pyrophosphate bond. Its molecular formula is C<sub>10</sub>H<sub>15</sub>N<sub>5</sub>O<sub>10</sub>P<sub>2</sub> with the molecular weight of 427.201 g/mol. ADP immunoassay is a useful method for screening the activity of kinases and other ATPases. An ADP antibody is a key reagent for ADP immunoassays such as ELISA and TR-FRET. ADP Antibody, mAb, Mouse is produced from the hybridoma resulting from the fusion of SP2/0-Ag14 myeloma and B-lymphocytes harvested from mouse immunized with ADP conjugated to KLH.

**APPLICATION:** ELISA: 0.001-0.01 µg/ml.

**Note:** This information is only intended as a guide. The optimal dilutions must be determined by the user.



**Competitive ELISA of ADP standard curve using ADP Antibody**

### RELATED PRODUCTS:

- ADP Colorimetric/Fluorometric Assay Kit (**Cat. No. K355**)
- ADP Colorimetric Assay Kit II (**Cat. No. K356**)
- ADP/ATP Ratio Bioluminescence Assay Kit, ApoSENSOR (**Cat. No. K255**)
- ADPsensor™ Universal Kinase Activity Assay Kit (**Cat. No. K212**)

**FOR RESEARCH USE ONLY! Not to be used on humans.**