Adenosine Diphosphate (ADP) ELISA Kit for General

PRODUCT OVERVIEW

Product Name	Adenosine Diphosphate (ADP), ELISA Kit
Full Product Name	General Adenosine Diphosphate (ADP) ELISA Kit
Product Gene Name	ADP elisa kit
Species Reactivity	General
Assay Type	Competitive inhibition
Samples	Tissue homogenates, cell lysates and other biological fluids.
Detection Range	0.312-20ng/mL
Sensitivity	0.101ng/mL
Specificity	This assay has high sensitivity and excellent specificity for detection of ADP. No significant cross-reactivity or interference between ADP and analogues was observed.
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ADP were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ADP were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for ADP elisa kit	Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of ADP in serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to ADP has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled ADP and unlabeled ADP (Standards or samples) with the pre-coated antibody specific to ADP. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of ADP in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of ADP in the sample.
Other Notes	Small volumes of ADP elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ADP purchase	MBS456659 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Adenosine Diphosphate (ADP) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing ADP. The ELISA analytical biochemical technique of the MBS456659 kit is based on ADP antibody-ADP antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect ADP antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, ADP. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).

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