# Acid Phosphatase (ACP) Activity Assay Kit

**Cat No: HR3BC1291**

For research use only

## Overview

| | |
|---|---|
| Detection Method | Colorimetric method |
| Storage | -20? |
| Instrument | Microplate reader (400-415 nm, optimum wavelength: 405 nm) |
| Assay Time | 30 min |
| Validity | 3 |
| Assay Type | Enzyme Activity |
| Sample Type | Serum, plasma, tissue |
| Synonyms | ACP |
| Instrument | Microplate reader (400-415 nm, optimum wavelength: 405 nm) |
| Detection Principle | Disodium p-nitrobenzene phosphate (p-NPP), a widely used phosphatase chromogenic substrate, can form p-nitrophenol under the action of acid phosphatase. Under alkaline conditions, p-nitrophenol is yellow and has a maximum absorption peak at 405 nm. The darker of the yellow product is, the higher of the ACP activity is. Therefore, the activity of ACP can be calculated by measuring the OD value at 405 nm. |
| Reagents | PBS (0.01 M, pH 7.4) |
| Labware | Micropipettor, 37? Incubator |
| Size | 96T |
| Sensitivity | 0.2 U/L |
| Detection Range | 0.2?50 U/L |
| Recovery Rate | |