

Rev05  
 Update: Aug,20,2025

## DATASHEET

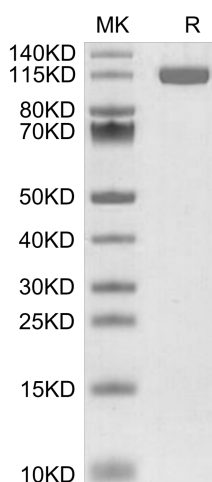
# ENPP-1, His, Human

Cat. No.: Z05240

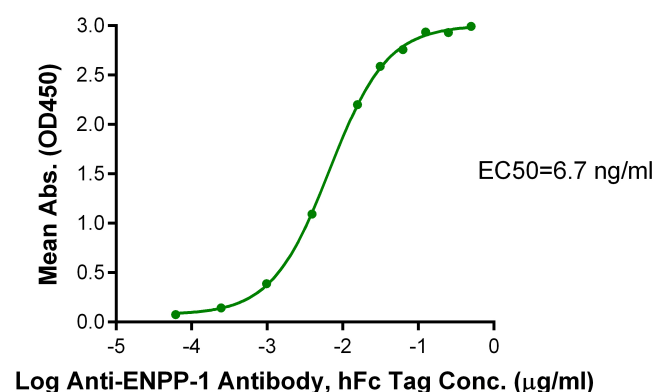
## Product Introduction

|                                     |                                                                                                                                                                                                                            |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>                      | Human                                                                                                                                                                                                                      |
| <b>Protein Construction</b>         | <div> <div>ENPP-1 (Lys98-Asp925)<br/>Accession # P22413</div> <div>His</div> </div> <div> <div>N-term</div> <div>C-term</div> </div>                                                                                       |
| <b>Purity</b>                       | > 95% as determined by Bis-Tris PAGE                                                                                                                                                                                       |
| <b>Endotoxin Level</b>              | Less than 1EU per µg by the LAL method.                                                                                                                                                                                    |
| <b>Biological Activity</b>          | Measured by its binding ability in a functional ELISA. Test result was comparable to standard batch. Measured by its ability to hydrolyze thymidine 5'monophosphate p - nitrophenyl ester. Test result meets the standard. |
| <b>Expression System</b>            | HEK293                                                                                                                                                                                                                     |
| <b>Theoretical Molecular Weight</b> | 96.5 kDa                                                                                                                                                                                                                   |
| <b>Apparent Molecular Weight</b>    | Due to glycosylation, the protein migrates to 110-115 kDa based on Bis-Tris PAGE result.                                                                                                                                   |
| <b>Formulation</b>                  | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).                                                                                                                                                                 |
| <b>Reconstitution</b>               | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.                                                             |
| <b>Storage &amp; Stability</b>      | Upon receiving, the product remains stable for 6 months at -20°C or below. Upon reconstitution, the product should be stable for 3 months at -80°C. Avoid repeated freeze-thaw cycles.                                     |

## Examples



ENPP-1, His, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



Immobilized ENPP-1, His, Human, His Tag at 1 μg/ml (100 μl/well) on the plate. Dose response curve for Anti-ENPP-1 Antibody, hFc Tag with the EC<sub>50</sub> of 6.7 ng/ml determined by ELISA.

## Background

**Target Background :** Ectonucleotide pyrophosphatase/phosphodiesterase (ENPP)-1 is a membrane-bound protein that catalyzes the hydrolysis of extracellular nucleoside triphosphates to monophosphate and extracellular inorganic pyrophosphate (ePPi). Mechanical stimulation regulates ENPP-1 expression.

**Synonyms :** E-NPP 1; NPPase; ENPP1; NPPS; PC1; PDNP1; Ly-41 Antigen; M6S1; M6S1NPP1; NPP1; PCA1; PCA1ARHR2

**For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.**

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