

Rev04
 Update: Aug,20,2025

DATASHEET

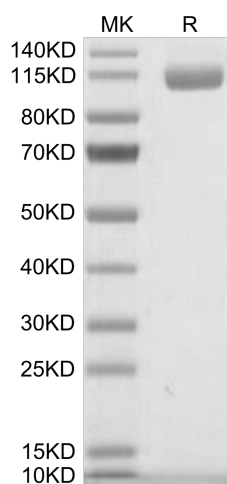
ENPP-1, His, Human

Cat. No.: Z05239

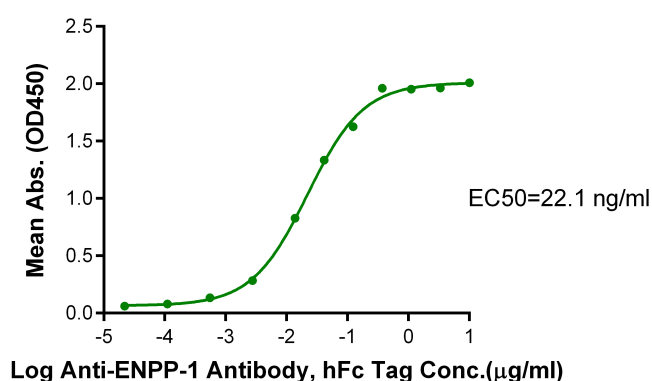
Product Introduction

Species	Human
Protein Construction	His ENPP-1 (Lys98-Asp925) Accession # P22413 N-term C-term
Purity	> 95% as determined by Bis-Tris PAGE
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	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.
Expression System	HEK293
Theoretical Molecular Weight	96.5 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 110-115 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	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 0.5 μg/ml (100 μl/well) on the plate. Dose response curve for Anti-ENPP-1 Antibody, hFc Tag with the EC₅₀ of 22.1 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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