



## NP [KLH] (DAGB508)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

Species	N/A
Conjugate	KLH
Applications	ELISA
Reconstitution	Reconstitute with deionized sterile water
Format	Lyophilized
Size	5 mg, 25 mg
Buffer	Conjugation is determined at pH 8.5 by measuring NP absorbance at 430nm, using the extinction coefficient of NP= $4.23 \times 10^3$ . The conjugation ratio is given as a molar ratio of NP to KLH assuming the molecular weight of KLH is 100,000. Store solution in aliquots at +5°C. KLH will come out of solution if frozen. Protect from light. This product can be dissolved in PBS buffer, water or other neutral buffers at a concentration of 1mg/mL. Product may precipitate when dissolved or stored in solution, therefore it is recommended to sonicate the solution for 30 minutes before use. When using PBS please refer to the formulation below. PBS Formulation: 8 g NaCl 0.2 g KCl 0.2 g potassium di-hydrogen phosphate (KH <sub>2</sub> PO <sub>4</sub> ) 1.15 g di-sodium hydrogen phosphate (Na <sub>2</sub> HPO <sub>4</sub> ) Add to 1 L of water.
Preservative	None
Storage	2 to 8 °C
Ship	Ambient

### BACKGROUND

**Introduction** 4-Hydroxy-3-nitrophenylacetyl hapten is conjugated to KLH (Keyhole Limpet Hemocyanin)

lysine through amide bonds.

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