



## DNP [OVAL] (DAGB480)

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

### PRODUCT INFORMATION

Species	N/A
Conjugate	OVAL
Applications	ELISA
Format	yellow powder
Size	10 mg, 100 mg
Buffer	Conjugation for DNP is determined by measuring the absorbance at 360 nm and using the extinction coefficient of DNP = $1.74 \times 10^4$ . The conjugation ratio is given as the molar ratio of DNP to Ovalbumin assuming the molecular weight of Ovalbumin is 45,000. Store solution in aliquots at -20°C. Protect from light. This product can be dissolved in water or phosphate buffered saline (PBS) pH 7.2 at a concentration of 1 mg/mL. Product may precipitate when stored in solution, therefore it is recommended to centrifuge the solutions briefly before use and use only the supernatant. 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** 2,4-Dinitrophenyl hapten is conjugated to Ovalbumin protein through lysine.