



# Human Anti-DNP monoclonal antibody, clone O308B (CABT-L1912)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	This antibody is a chimeric monoclonal antibody, which combines the variable region of a mouse monoclonal antibody with human IgG1 constant domain
<b>Specificity</b>	Specifically reacts with DNP (Dinitrophenyl) and DNP conjugated proteins
<b>Target</b>	DNP
<b>Immunogen</b>	DNP-BSA
<b>Isotype</b>	IgG1, κ
<b>Source/Host</b>	Human
<b>Species Reactivity</b>	Human
<b>Clone</b>	O308B
<b>Purification</b>	Protein A affinity chromatography from HEK293 supernatants.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA
<b>Molecular Weight</b>	50 and 25 kDa for the heavy and light chains, respectively (150 kDa)
<b>Reconstitution</b>	See Certificate of Analysis for reconstitution instructions and specific concentrations.
<b>Format</b>	Lyophilized powder
<b>Size</b>	100 µg

<b>Buffer</b>	Lyophilized from 0.22 µm filtered solution in 50 mM tris, 100 mM glycine, pH7.5.
<b>Preservative</b>	See individual product datasheet
<b>Storage</b>	Avoid repeated freeze-thaw cycles. -20°C to -70°C for 12 months in lyophilized state. -70°C for 3 months under sterile conditions after reconstitution.

## BACKGROUND

**Introduction** Dinitrophenyl (DNP) is a hapten that is often used for labeling primary or secondary probes in immunological assays. Therefore, anti-DNP antibody is a useful tool for the detection and analysis of target molecules.

**Keywords** DNP; Dinitrophenol

## GENE INFORMATION

**Gene Name** DNP

**Synonyms** DNP; Dinitrophenol