



# Mouse Anti-Hamster PLBL-2 Monoclonal Antibody, clone 5E6 (CABT-Z595M)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	CHO Phospholipase B-Like 2 (PLBL2) of recombinant origin.
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Hamster
<b>Clone</b>	5E6
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA, WB
<b>Reconstitution</b>	Reconstitute by adding 0.5 mL of reagent quality water to the product vial and add preservative.
<b>Format</b>	Lyophilized
<b>Size</b>	100 µg
<b>Buffer</b>	PBS, pH 7.2 with non-protein stabilizer.
<b>Preservative</b>	None
<b>Storage</b>	Lyophilized material should be kept at 4°C until rehydrated and will remain stable for a minimum of 2 years. Liquid solution stored at 2-8°C is stable for a minimum of 1 year.
<b>Ship</b>	Wet ice

# BACKGROUND

## Introduction

Hamster phospholipase B-like 2 (PLBL2), is a common and problematic residual HCP found in CHO-derived monoclonal antibodies (mAbs); It was found to induce immunogenicity in patients at levels as low as 0.2-0.4 ppm, although no clinical adverse effect was detected in patients. In addition to immunogenicity concerns, lipases or enzymes with esterase like activity, like group XV lysosomal phospholipase A 2 isomer X1 (LPLA2) and lipoprotein lipase (LPL) have been reported to degrade formulation excipients such as polysorbate 80 or 20.

## Keywords

76 kDa protein;LAMA-like protein 2;Lamina ancestor homolog 2;mannose-6-phosphate protein associated protein p76;p76;phospholipase B domain containing 2;Phospholipase B domain-containing protein 2;phospholipase B-like 2 32 kDa form;phospholipase B-like 2 45 kDa form;PLB homolog 2;PLBD2;PLBL2;Putative phospholipase B-like 2;Putative phospholipase B-like 2 32 kDa form;Putative phospholipase B-like 2 45 kDa form