



# Mouse Anti-Human/Monkey APOE monoclonal antibody, clone F092 (CABT-L6564Z)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	This monoclonal antibody enables specific detection of monkey apoE in immunoassays such as ELISA and Western blot.
<b>Specificity</b>	Native apolipoprotein E (isoforms apoE2, apoE3, and apoE4) from rhesus and cynomolgus macaques. This monoclonal antibody enables specific detection of monkey apoE in immunoassays such as ELISA and Western blot.
<b>Immunogen</b>	Native human apoE
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human, Non-human primates
<b>Clone</b>	F092
<b>Purification</b>	Protein G purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ELISA, ELISA(Cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-L6564Z - CABT-L6566Z Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
<b>Format</b>	Liquid

<b>Concentration</b>	Lot specific
<b>Size</b>	250ug
<b>Buffer</b>	PBS with 0.02% sodium azide.
<b>Preservative</b>	0.02% sodium azide
<b>Storage</b>	Store product at 4-8°C or frozen at -20°C or below. Avoid repeated freezing/thawing
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	<p>Apolipoprotein E (apoE) is a 34 kD glycoprotein involved in lipid transport, lipoprotein metabolism and cellular signaling. It is present in plasma lipoprotein particles such as chylomicrons, VLDL and HDL. ApoE is also present in large amounts at sites of neurological damage and appears to be involved in recycling of apoptotic remnants and of amyloid aggregates. ApoE is mainly produced in the liver and by macrophages, but also by other cell types such as smooth muscle cells or neuronal cells. In human apoE exists in three isoforms, apoE2, apoE3 and apoE4. Of these, apoE4 is associated with Alzheimer's disease. Normal concentration of apoE in human plasma is approximately 30-40 µg/ml. The concentration of ApoE in inbred mouse plasma can vary between 15-150 µg/ml.</p>
<b>Keywords</b>	Apolipoprotein E, apoE, apolipoproteinE, apo E, AI255918, Apo-E