



Mouse Anti-Human APOE monoclonal antibody, clone F998 [Biotin] (CABT-L6566Z)

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

PRODUCT INFORMATION

Product Overview	This monoclonal antibody enables specific detection of human apoE in immunoassays such as ELISA, ELISpot and Western blot. The antibody is also suitable for immunoprecipitation.
Specificity	Native and recombinant human apolipoprotein E (isoforms apoE2, apoE3, and apoE4). Cross-reacts with native apoE from rhesus and cynomolgus macaques. This monoclonal antibody enables specific detection of human apoE in immunoassays such as ELISA, ELISpot and Western blot. The antibody is also suitable for immunoprecipitation.
Immunogen	Native human apoE
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human, Non-human primates
Clone	F998
Purification	Protein G purified
Conjugate	Biotin
Applications	WB, ELISpot, ELISA, ELISA(Det) We recommend the following for sandwich ELISA (Capture - Detection): CABT-L6564Z - CABT-L6566Z CABT-L6565Z - 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.

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

BACKGROUND

Introduction	<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>
Keywords	Apolipoprotein E, apoE, apolipoproteinE, apo E, AI255918, Apo-E