



# Rat Anti-Mouse APOA1 monoclonal antibody, clone IEM47 [Biotin] (CABT-L6557Z)

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 mouse apoA1 in immunoassays such as ELISA and Western blot.
<b>Specificity</b>	Mouse apoA1
<b>Target</b>	Mouse apoA1
<b>Immunogen</b>	Native mouse apoA1
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Rat
<b>Species Reactivity</b>	Mouse
<b>Clone</b>	IEM47
<b>Purification</b>	Protein G purified
<b>Conjugate</b>	Biotin
<b>Applications</b>	WB, ELISA, ELISA(Det) We recommend the following for sandwich ELISA (Capture - Detection): CABT-L6556Z - CABT-L6557Z 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>	Apolipoprotein A1 (apoA1) is the main protein component of high-density lipoprotein particles (HDL). ApoA1 (28 kD) is mainly produced in the liver and exported into circulation where it acquires lipids and becomes HDL. A high level of apoA1 is considered protective against atherosclerosis and cardiovascular disease. The normal concentration of apoA1 in human plasma is approximately 0.8-2.2 g/L.
<b>Keywords</b>	Apolipoprotein A1, apoA1, apolipoprotein-A1, apo A1, apoA-I, Alp-1, APOA-1, Brp-14, Ltw-1, Lvtw-1, Sep-1, Sep-2, Sep2, apo-AI