



Mouse Anti-Human APOA1 monoclonal antibody, clone IEM55 [Biotin] (CABT-L6555Z)

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 apoA1 in immunoassays such as ELISA and Western blot.
Specificity	Human apolipoprotein A1 (apoA1), purified or in the form of HDL. The presence of low amounts of detergent is necessary for binding. Tween 20, Triton X100 or NP40 can be used at a concentration of 0.01-0.5%. Cross-reacts with apoA1 from rhesus and cynomolgus macaques.
Immunogen	Native protein
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human, Non-human primates
Clone	IEM55
Purification	Protein G purified
Conjugate	Biotin
Applications	IP, WB, ELISA, ELISA(Det) We recommend the following for sandwich ELISA (Capture - Detection): CABT-L6554Z - CABT-L6555Z 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	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.
Keywords	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