

MONOCLONAL ANTIBODY

Anti-Apolipoprotein A-I(2G4)

Catalog No. LF-MA0127

Background : Apolipoprotein A-I (Apo A-I) is one of the major protein components in high density lipoprotein(HDL). The molecular weight is reported to be 28.3 kDa. Apo A-I acts as a cofactor for lecithin cholesterol acyl transferase(LCAT), which is important in removing excess cholesterol from tissues and incorporating it into HDL for reverse transport to the liver. Some of the apolipoproteins act as ligands to tissue receptors, while others activate or inhibit enzymes involved in metabolic steps in the circulation or tissues. Apo A-I plays important roles in atherosclerosis, tangier disease, coronary heart disease.

Immunogen : purified human Apolipoprotein A-I protein

Host : Mouse

Clone number : 2G4

Isotype : IgG1, k

Composition : PBS containing 50% glycerol

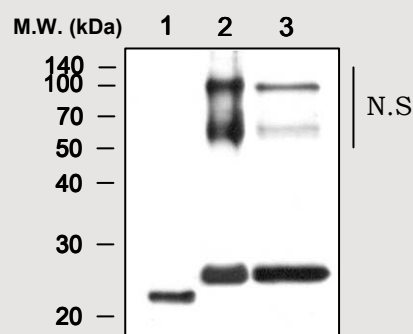
Size : 100 µl

Positive control : Purified human Apolipoprotein A-I protein

Storage : Store for 1 year at -20°C from date of shipment

Species cross reactivity

Human	Mouse	Rat
+	NT	NT



IMMUNOBLOT ANALYSIS of purified proteins:

Lane 1 : Purified human Apolipoprotein A-I protein
Lane 2 : Purified human HDL protein
Lane 3 : Human plasma

* N.S: Nonspecific band

Applications :

ELISA
Western Blotting (1:2000)
Immunohistochemistry

Background Reference:

- (1) G. Walldius et al. (2004) *Journal of Internal Medicine* **255**: 188-205
- (2) Yves L. Marcel et al. (2003) *Genetics and Molecular Biology* **14**:151-157

FOR RESEARCH PURPOSE ONLY
NOT FOR DIAGNOSTIC OR THERAPEUTIC USE

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