

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human Apolipoprotein A-IV/ApoA in direct ELISAs. Detects human and mouse in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Apolipoprotein A-IV/ApoA Glu21-Ser396 Accession # P06727
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Apolipoprotein A4 (ApoA4) is a 45 kDa glycoprotein of the lipid transport system. Secreted in plasma, ApoA4 is a major component of high density lipoprotein (HDL) particles and chylomicrons, and is thought to act in intestinal lipid absorption. Levels of ApoA4 may influence HDL metabolism and modulate its effects on atherogenesis. ApoA4 synthesis in humans is mainly confined to the small intestine, while in mice and rats, production occurs in the liver as well. Human ApoA4 is synthesized as a 396 amino acid (aa) precursor, from which a 20 aa N-terminal signal peptide is removed. Mature human ApoA4 (aa 21-396) shares 61% and 62% aa sequence identity with mouse and rat ApoA4, respectively.

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