

Human Apolipoprotein A-I/ApoA1 Alexa Fluor® 405-conjugated Antibody

Monoclonal Rabbit IgG Clone # 2083A

Catalog Number: FAB36641V

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human ApoA1 in direct ELISAs and Western blots.
Source	Monoclonal Rabbit IgG Clone # 2083A
Purification	Protein A or G purified from cell culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human ApoA1 Asp25-Gln267 Accession # P02647
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *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.

	Recommended Concentration	Sample
Intracellular Staining by Flow Cytometry	0.25-1 µg/10 ⁶ cells	HepG2 human hepatocellular carcinoma cell line fixed with Flow Cytometry Fixation Buffer (Catalog # FC004) and permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog # FC005)

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. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

ApoA1 is a major protein component of serum high-density lipoprotein (HDL) and is produced by the liver and small intestine. It is involved in reverse cholesterol transport from tissues to the liver. ApoA1 is synthesized as a 267 amino acid (aa) precursor from which a signal peptide and short propeptide are removed. Mature human ApoA1 shares 65% and 61% aa sequence identity with mouse and rat ApoA1, respectively.

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