

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human ApoA1 in Western blots. In this format, less than 1% cross-reactivity with recombinant human (rh) ApoA2, rhApoE, and rhApoE3 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human ApoA1 Asp25-Gln267 Accession # P02647
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

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
Western Blot	0.1 µg/mL	Recombinant Human Apolipoprotein A-I/ApoA1

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.