

DESCRIPTION

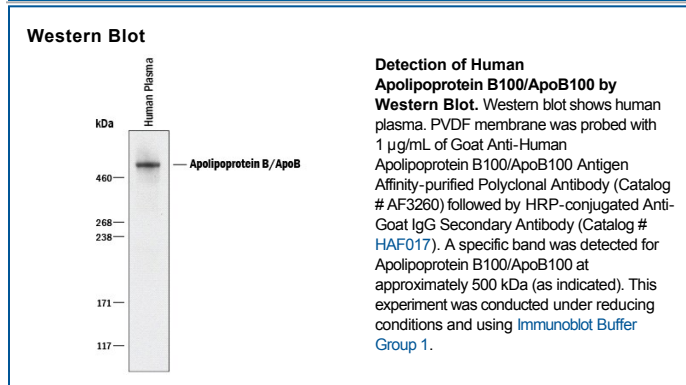
Species Reactivity	Human
Specificity	Detects human ApoB100 in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human ApoB100 Ile3374-Val3600 Accession # AAP72970
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

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	1 µg/mL	See Below

DATA



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. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <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

ApoB100 is a major serum Apolipoprotein synthesized by the liver. It is an important constituent of LDL, VLDL and IDL particles. It interacts with the LDL receptor and is involved in the delivery of cholesterol to tissues. Within the peptide sequence of the immunogen, human and mouse ApoB100 share 74% amino acid sequence identity. The sequence within the immunogen is absent in ApoB48, an alternative splice isoform that is exclusively synthesized by the gut. ApoB48 contains the amino terminal 47% of ApoB100 and lacks the LDL receptor region.