



# Human Apolipoprotein H [His] (DAG613)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

Species	Human
Purity	>90% as determined by SDS-PAGE
Conjugate	His
Applications	WB, ELISA
Molecular Weight	38 kDa
Format	Liquid
Concentration	Batch dependent - please inquire should you have specific requirements
Size	50 µg
Buffer	Ionic strength around 200 mM, neutral to slightly alkaline pH and 20 % glycerol as cryoprotective agent
Preservative	None
Storage	2-8°C short term, -20°C long term

## BACKGROUND

Introduction	<p>Apolipoprotein H (Apo-H), previously known as (β<sub>2</sub>-glycoprotein I, beta-2 glycoprotein I), is a multifunctional apolipoprotein. One of its functions is to bind cardiolipin. When bound the structure of cardiolipin and Apo-H both undergo large changes in structure. Within the structure of Apo-H is a stretch of positively charged amino acids, (protein sequence positions 282-287) Lys-Asn-Lys-Glu-Lys-Lys, are involved in phospholipid binding (See image on right). Apo-H has a complex involvement in agglutination, it appears to alter ADP mediated agglutination of</p>
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platelets. Normally Apo-H assumes an anti-coagulation activity in serum (by inhibiting coagulation factors), however changes in blood factors can result of a reversal of that activity.

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**Keywords**

APOH; apolipoprotein H (beta-2-glycoprotein I); B2G1; beta-2-glycoprotein 1

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